

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS ☒ X WATER SANDS LOCATION INSPECTED SUB. REPORT/abd

981202 Comm UFW, eff 3-18-95

DATE FILED MARCH 11, 1996

LAND FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-74869

INDIAN

DRILLING APPROVED: APRIL 8, 1996

SPUDDED IN: JULY 30, 1996

COMPLETED: 9-19-96 POW PUT TO PRODUCING:

INITIAL PRODUCTION: 69 Bbl 102 mcf 3 Bbl

GRAVITY A.P.I.

GOR: 1.5

PRODUCING ZONES: 5131-5439' (ARRV)

TOTAL DEPTH: 6260'

WELL ELEVATION: 5420' M.R.

DATE ABANDONED:

FIELD: UNDESIGNATED

UNIT:

COUNTY: DUCHESNE

WELL NO. TAR SANDS FEDERAL 5-30

API NO. 43-013-31620

LOCATION 1884 FNL FT. FROM (N) (S) LINE.

631 FWL

FT. FROM (E) (W) LINE. SW NW

1/4 - 1/4 SEC. 30

TWP.

RGE.

SEC.

OPERATOR

TWP.

RGE.

SEC.

OPERATOR

8S

17E

30

INLAND PRODUCTION CO

GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humburg
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
garden gulch	Dakota	Park City	McCracken
Point 3	Burro Canyon	Rico (Goodridge)	Aneth
X mkr	Cedar Mountain	Supai	Simonson Dolomite
✓ mkr	Buckhorn	Wolfcamp	Sevy Dolomite
Douglas Crk	JURASSIC	CARBON I FEROUS	North Point
Wagon B Carbonate	Morrison	Pennsylvanian	SILURIAN
Stone Cabin B Limestone	Salt Wash	Oquirrh	Laketown Dolomite
Cotton Castle Peak	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff Basal carb.	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-74869
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Inland Production Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 1446 Roosevelt, UT 84066		8. FARM OR LEASE NAME Tar Sands Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface SW/NW 631.4' FWL & 1884.4' FNL At proposed prod. zone 192 674		9. WELL NO. #5-30
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9.5 Miles southeast of Myton, Utah		10. FIELD AND POOL, OR WILDCAT
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 631.4'	16. NO. OF ACRES IN LEASE 1968.01	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T8S, R17E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1291.4'	19. PROPOSED DEPTH 6500'	12. COUNTY OR PARISH 13. STATE Duchesne UT
20. ROTARY OR CABLE TOOLS Rotary		21. APPROX. DATE WORK WILL START* 2nd Quarter 1996
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5420.1' GR		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G+2% CaCl+2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by
				330 sx Class G w/ 10% CaCl

The actual cement volumes will be calculated off of the open hole logs, plug 15% excess.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

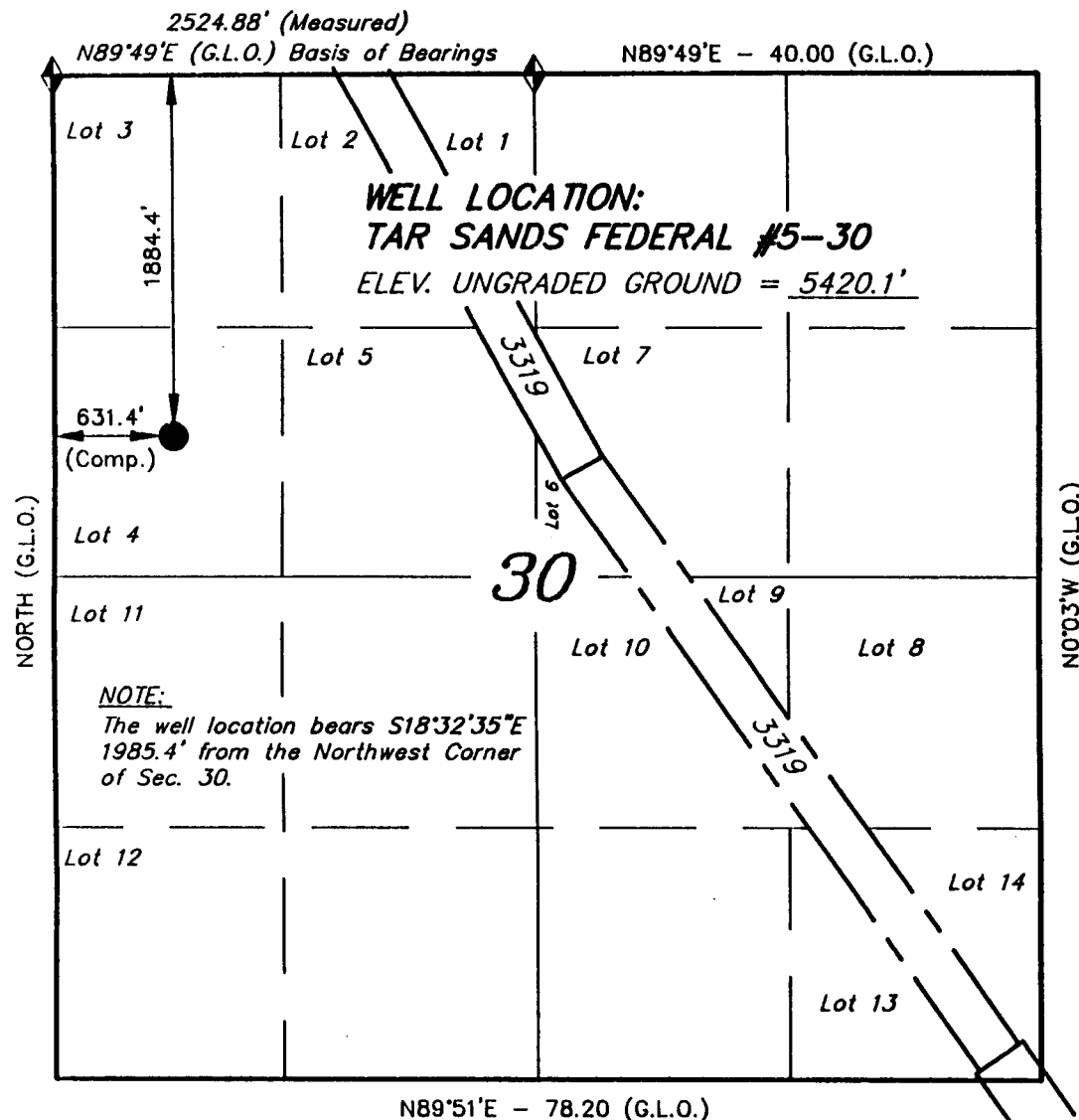
24. SIGNED Brad Mecham TITLE Operations Manager DATE 3/5/96
(This space for Federal or State office use)
PERMIT NO. 43-013-31620 APPROVAL DATE _____
APPROVED BY Petroleum Engineer DATE 4/8/96
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

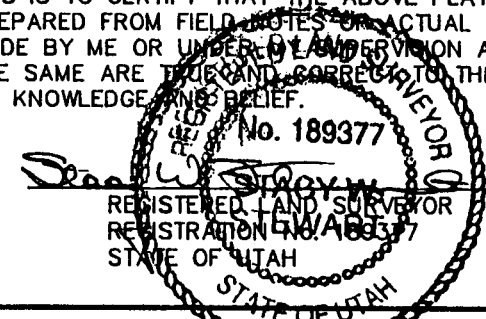
T8S, R17E, S.L.B.&M.

INLAND PRODUCTION COMPANY

WELL LOCATION, TAR SANDS FEDERAL
#5-30, LOCATED AS SHOWN IN LOT 4 OF
SECTION 30, T8S, R17E, S.L.B.&M.
DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OR ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: S.S. D.S.
DATE: 3-1-96	WEATHER: WINDY & COLD
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SE)

**TAR SANDS FEDERAL #5-30
SW/NE SEC. 30, T8S, R17E
DUCHESNE COUNTY, UTAH
U-74869**

HAZARDOUS MATERIAL DECLARATION

INLAND PRODUCTION COMPANY guarantees that during the drilling & completion of the above referenced well, we will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986.

INLAND PRODUCTION COMPANY guarantees that during the drilling and completion of the above referenced well, we will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

JOHNSON WATER DISTRICT
R.R. 3 BOX 3188
ROOSEVELT, UT 84066
TELEPHONE (801) 722-2620

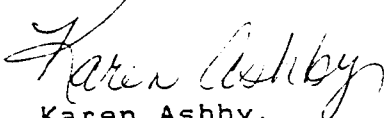
March 4, 1996

TO WHOM IT MAY CONCERN:

Inland Production Company has purchased a 3 inch water connection with Johnson Water District to supply Monument Butte oilfield.

Johnson Water District has given permission to Inland Production Company to use water from our system for the purpose of drilling and completing the Tar Sand Federal 4-30, and 5-30.

Sincerely,


Karen Ashby,
Secretary

**INLAND PRODUCTION COMPANY
TAR SANDS FEDERAL #5-30
SW/NW SEC. 30, T8S, R17E
DUCHESNE COUNTY, UTAH**

TEN POINT WELL PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' - 3030'
Green River	3030'
Wasatch	6500'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 3030' - 6400' - Oil

4. PROPOSED CASING PROGRAM

8 5/8", J-55, 24# w/ ST&C collars; set at 300' (New)
5 1/2", J-55, 15.5# w/ LT&C collars; set at TD (New)

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operators minimum specifications for pressure control equipment are as follows:

A 8" Series 900 Hydril Bag type BOP and a 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOPS's will be checked daily.

(See Exhibit F)

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

It is proposed that the well be drilled with fresh water through the Uinta Formation. From the top of the Green River Formation at 3000'± to TD, a fresh water/polymer system will be utilized. If necessary to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. Typically, this fresh water/polymer system will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride or chromates will be utilized in the fluid system.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

No drill stem testing has been scheduled for this well. It is anticipated at this time that the logging will consist of a Dual Induction Laterolog, Compensated Neutron-Formation Density Log. Logs will run from TD to 3500'. The cement bond log will be run from PBTD to cement top. The use of mud loggers to be determined at a later date.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

The anticipated bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; nor that any other abnormal hazards such as H₂S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence in June, 1996 and take approximately eight days to drill.

**INLAND PRODUCTION COMPANY
TAR SANDS FEDERAL #5-30
SW/NW SECTION 30, T8S, R17E
DUCHESNE COUNTY, UTAH**

THIRTEEN POINT WELL PROGRAM

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Tar Sands Federal #5-30 located in the SW 1/4 NW 1/4 Section 30, T8S, R17E, S.L.B. & M. Duchesne County, Utah:

Proceed westerly out of Myton, Utah along Highway 40 - 1.5 miles \pm to the junction of this highway and Utah State Highway 53; proceed southerly along Utah State Highway 53 - 1.9 miles to its junction with Utah State Highway 216; proceed southerly along State Highway 216 - 6.0 miles to its junction with an existing road to the west; proceed southwesterly along this road .1 mile to the beginning of the proposed access road to be discussed in item #2.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County Crews.

The aforementioned dirt oilfield service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads required for access during the drilling, completion and production phase will be maintained at the standards required by the BLM or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The planned access road leaves the existing location described in Item #1 in the SW1/4 NW 1/4 Section 30, T8S, R17E, S.L.B. & M., and proceeds in a north/easterly direction approximately 80' \pm to the proposed location site.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

TAR SANDS FEDERAL #5-30

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

There are six (6) producing, Inland Production wells, within a one (1) mile radius. See Exhibit "D".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery the well pad will be surrounded by a dike of sufficient capacity to contain at minimum the entire contents of the largest tank within the facility battery.

Tank batteries will be built to BLM specification.

All permanent (on site for six (6) months or longer) structures constructed or installed (including pumping units) will be painted Desert Tan. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

At the present time, it is anticipated that the water for this well will be transported through a temporary surface pipeline from our pre-approved Inland Production Company fresh water supply line located at the Monument Butte Federal #5-35 (SW/NW Sec. 35, T8S, R16E) location as indicated on Topographic Map - Exhibit "C".

In the event this water source is not used an alternate source will be used and all the necessary arrangements will be made with the proper authorities.

6. SOURCE OF CONSTRUCTION MATERIALS

See Location Layout Sheet - Exhibit "E".

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

See Location Layout Sheet - Exhibit "E".

A small reserve pit will be constructed from native soil and clay materials. However, in a departure from conventional oilfield practice, the volume and duration of fluid occupying this pit will be minimal. By applying currently available technology, a water processing unit will be employed to continuously recycle the drilling fluid as it is used, returning the fluid component to the drilling rig's steel tanks. The reserve pit will primarily receive the processed drill cuttings (wet sand, shale & rock) removed from the wellbore. Any drilling fluids which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed by the water recycling unit and then returned to the steel tanks. Furthermore, all drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be utilized in the reserve pit.

Immediately upon first production all produced water will be confined in storage tanks. Inland requests temporary approval to transfer the produced water to Inland's nearby water flood supply for reinjection into the waterflood reservoirs via existing approved injection wells. Within 90 days of first production, a water analysis will be submitted to the Authorized Officer, along with an application for approval of this as a permanent disposal method.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

8. **ANCILLARY FACILITIES**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT**

See attached Location Layout Sheet - Exhibit "E".

The reserve pit will be located on the east side between stakes 4 & 5.

There will be no flare pit on this location.

The stockpiled topsoil (first six (6) inches) will be stored on the west corner, between stakes 6 & 7.

Access to the well pad will be from the east corner between stakes 3 & 4.

All corners will be rounded to avoid excess cut and fill.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) 39 inch net wire shall be used with at least one strand of barbed wire on top of the net.

TAR SANDS FEDERAL #5-30

- b) The net wire shall be not more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be cemented and/or braced in such a manner to keep tight at all times.
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE

a) *Producing Location*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. The reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

When the drilling and completion phase ends, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The seed mixture will be per B.L.M. and stated in the conditions of approval.

b) *Dry Hole Abandoned Location*

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the B.L.M. will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

- a) Inland Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Inland is to immediately stop work that might further disturb such materials, and contact the Authorized Officer.
- b) Inland Production will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. On B.L.M. administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without B.L.M. authorization. However, if B.L.M. authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

The Cultural Resource Survey will be submitted, as soon as it becomes available.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations. Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. Inland Production is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Inland Production Company or a contractor employed by Inland Production shall contact the B.L.M. office at (801) 789-1362, 48 hours prior to construction activities.

The B.L.M. office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham
Address: P.O. Box 1446 Roosevelt, Utah 84066
Telephone: (801) 722-5103

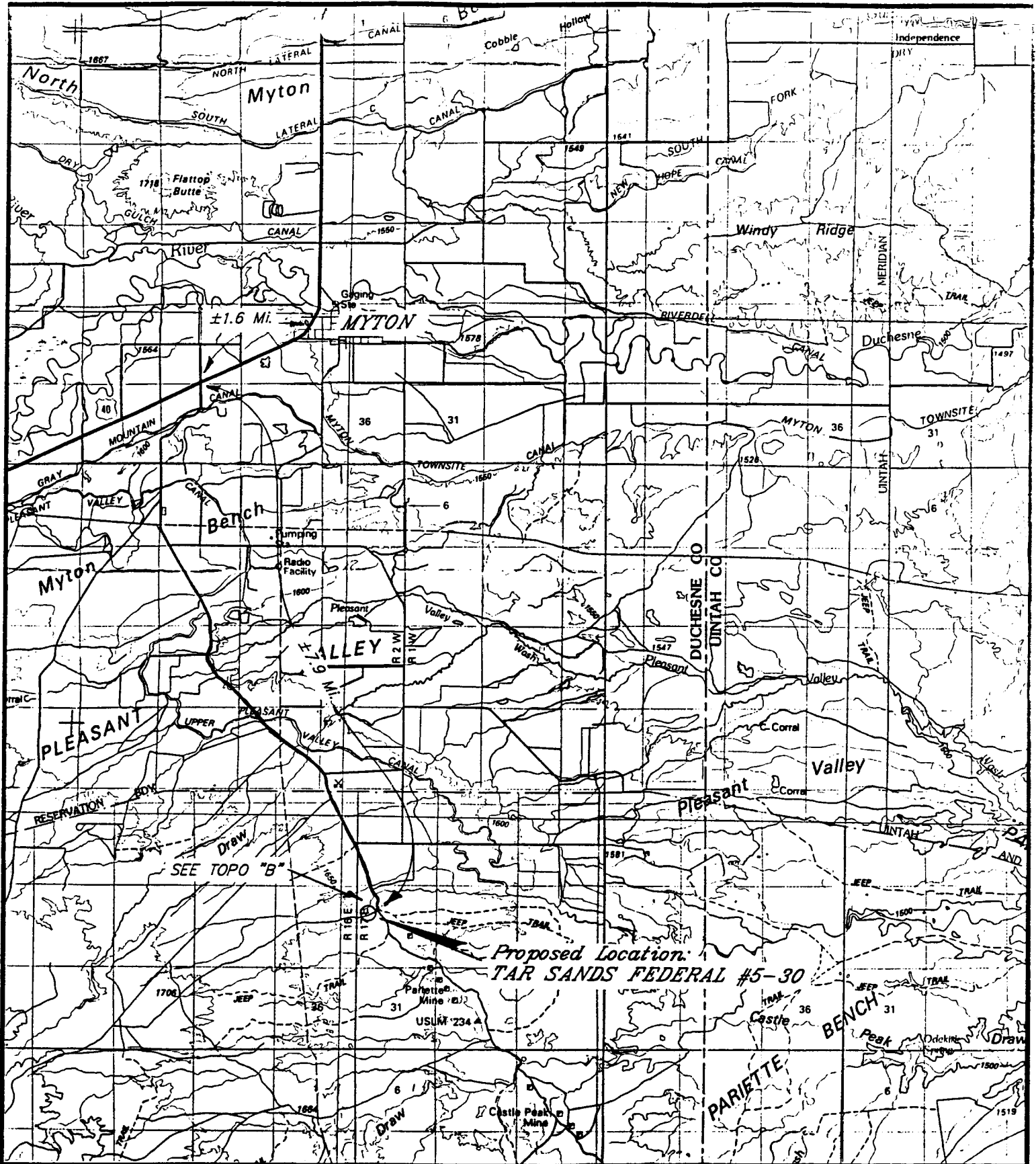
Certification

Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of Well #5-30 SW/NW Section 30, Township 8S, Range 17E: Lease #U-74869 ; Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

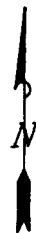
3-5-96
Date

Brad Mecham
Brad Mecham
Operations Manager

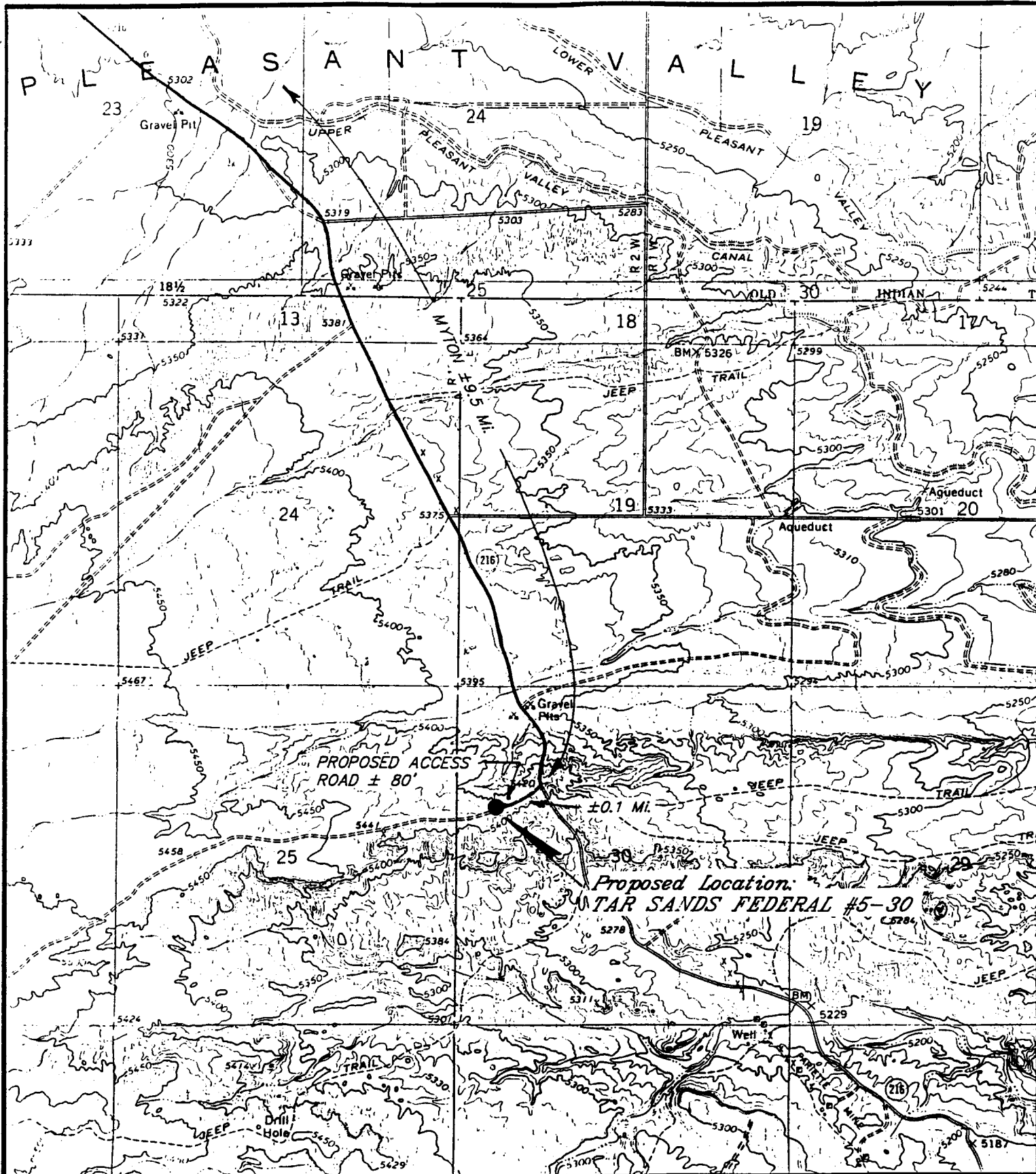


INLAND PRODUCTION COMPANY

TAR SANDS FEDERAL #5-30
 SEC. 30, T8S, R17E, S.L.B.&M.
 TOPO "A"



Tri State
 Land Surveying, Inc.
 (801) 781-2501
 38 WEST 100 NORTH VERNAL, UTAH 84078



INLAND PRODUCTION COMPANY

TAR SANDS FEDERAL #5-30
SEC. 30, T8S, R17E, S.L.B.&M.
TOPO "B"



SCALE: 1" = 2000'

Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

POWER LINE

JOHNSON WATER LINE

R 2 W

WATER SOURCE

Lomax

RIGHT-OF-WAY and ACCESS
FOR FRESH WATER PIPELINE

DUCIESNE CO., UTAH

EXHIBIT C

Date: 10/88 REVISED 3/89

SCALE 1:24,000

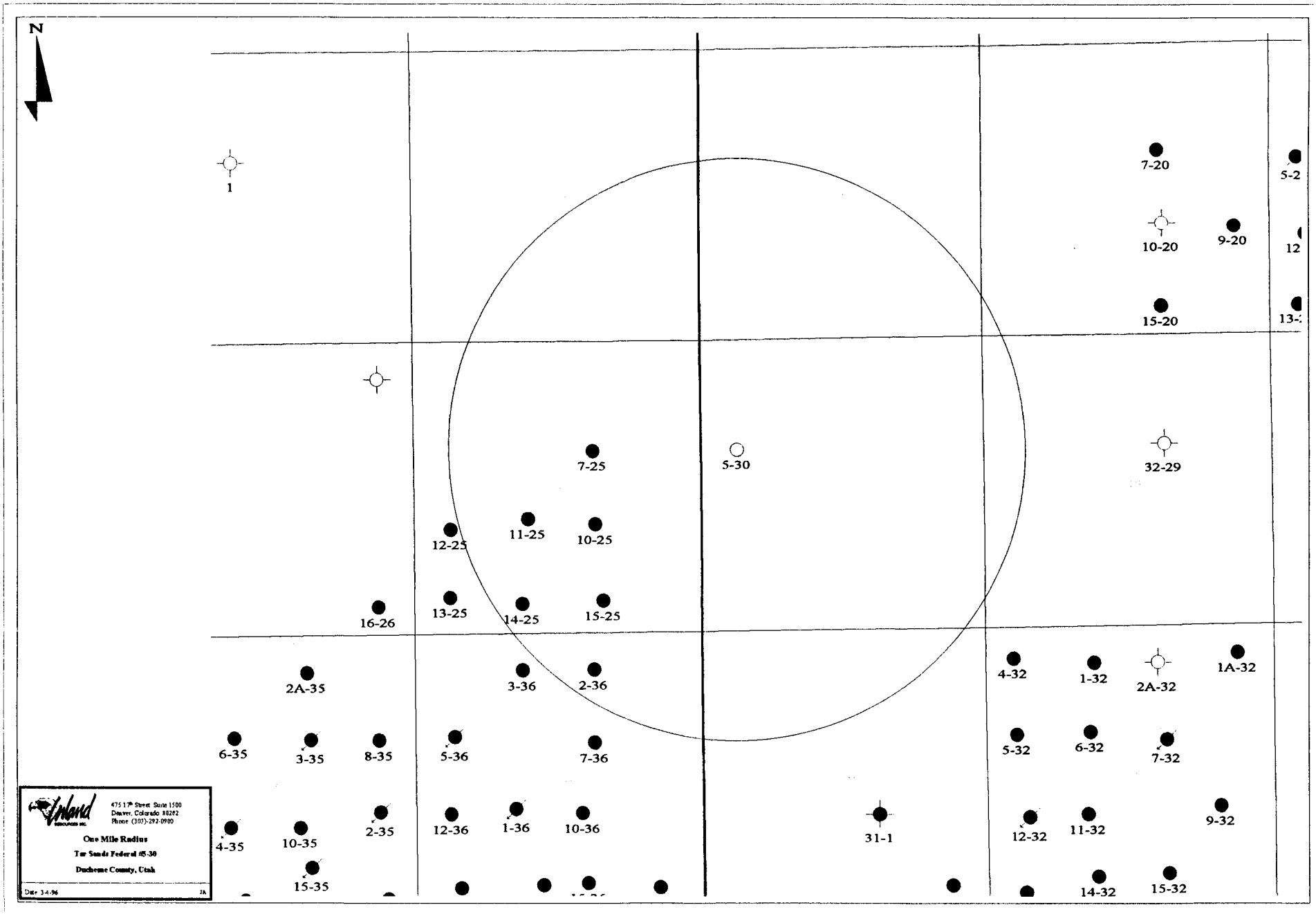
BY: D. TAFF

PIPE LINE

PUMP BLDG.

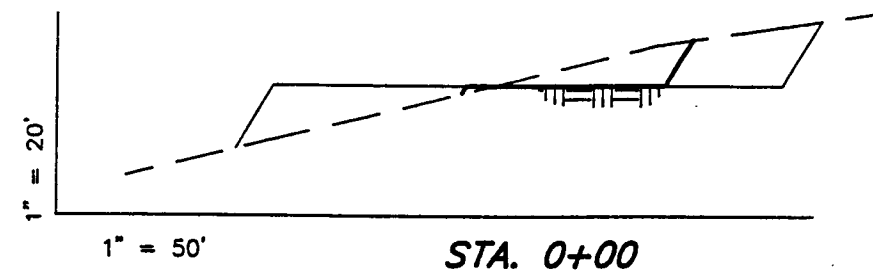
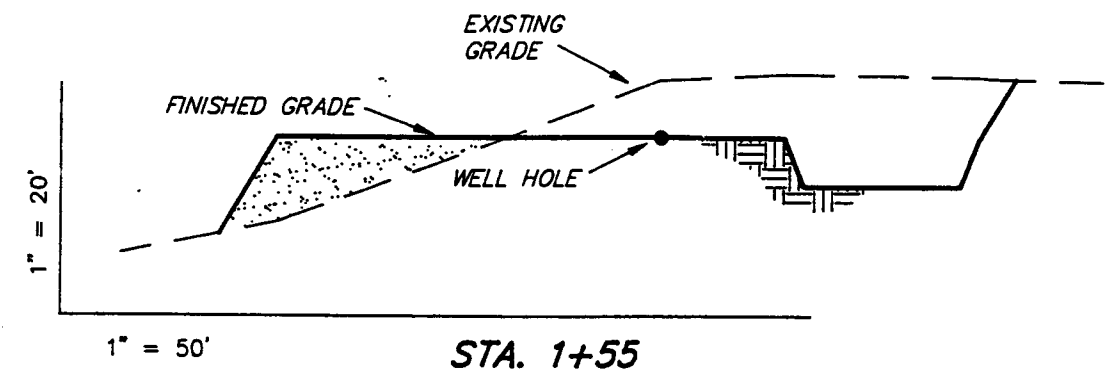
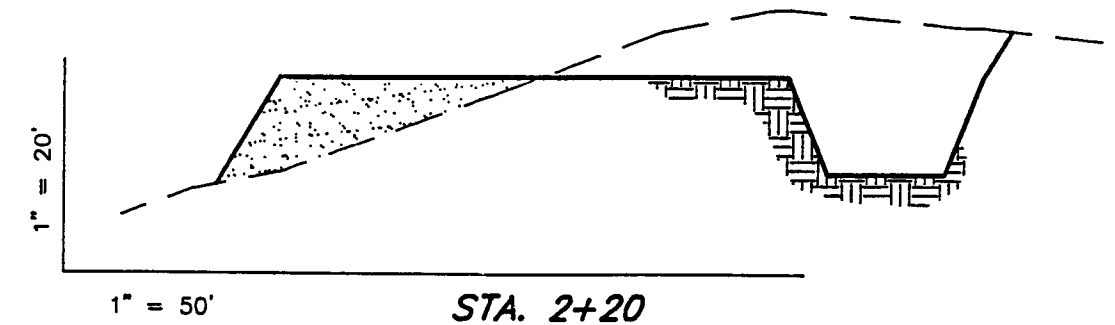
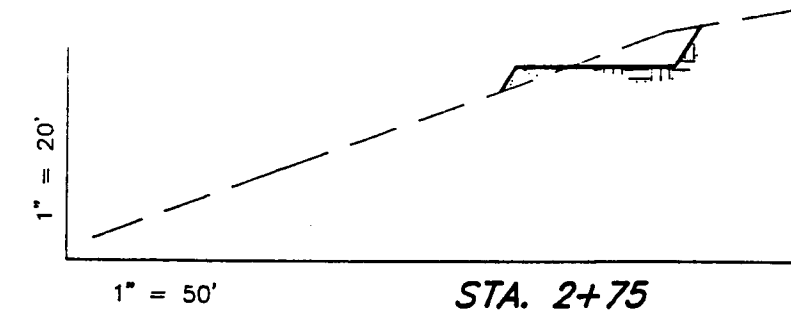
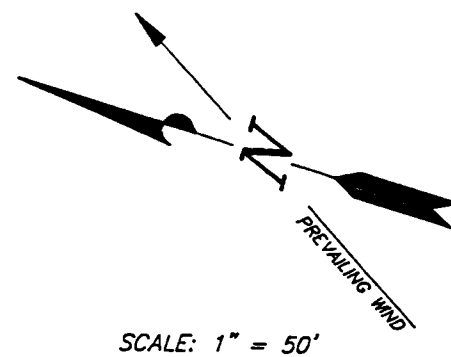
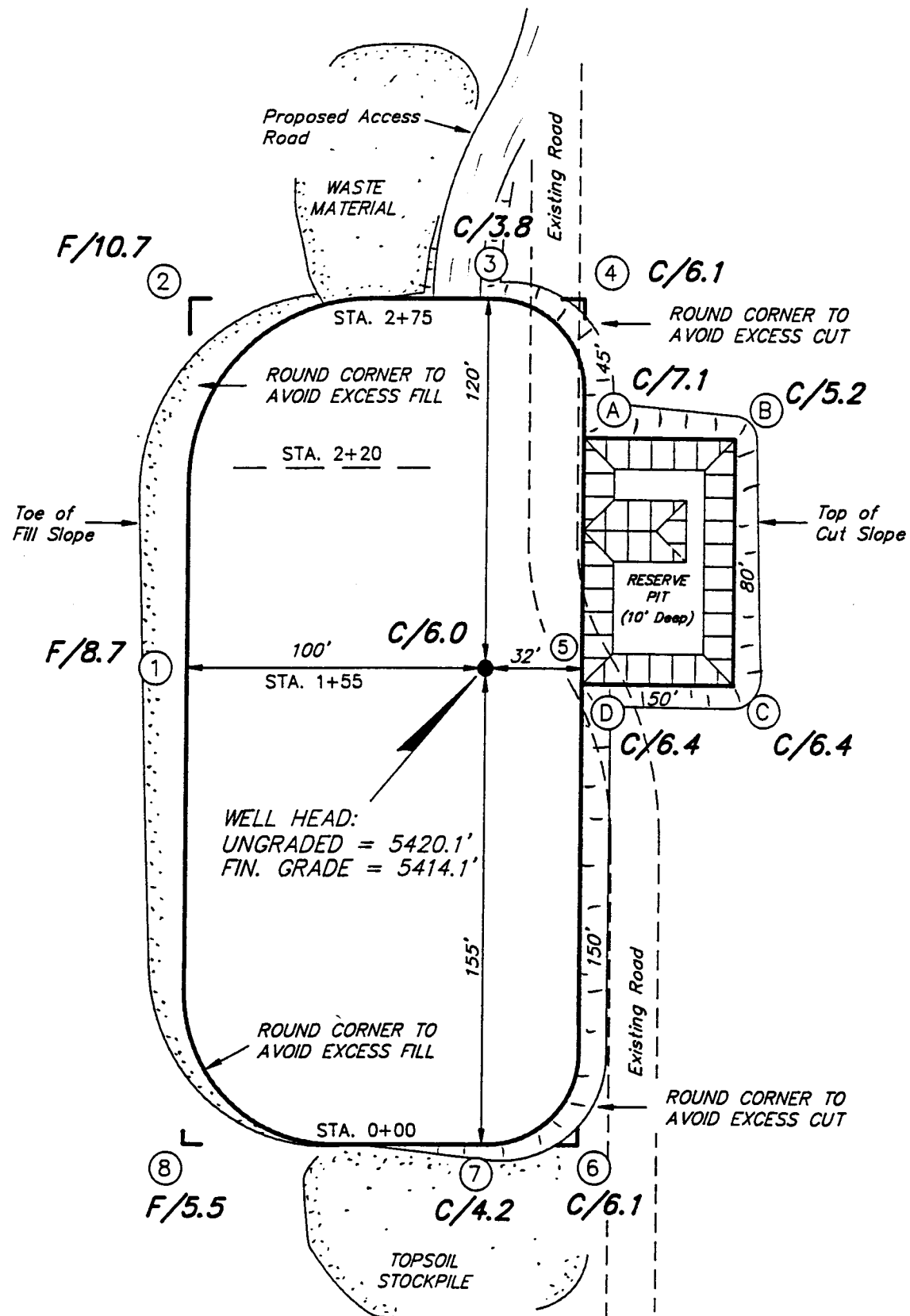
R 16 E

EXHIBIT "D"



INLAND PRODUCTION COMPANY

TAR SANDS FEDERAL #5-30
SEC. 30, T8S, R17E, S.L.B.&M.



REFERENCE POINTS

150' NORTH = 5401.5'
200' NORTH = 5397.7'
170' EAST = 5416.1'
220' EAST = 5418.1'

APPROXIMATE YARDAGES

CUT = 3,540 Cu. Yds.
FILL = 3,540 Cu. Yds.
PIT = 1,060 Cu. Yds.
6" TOPSOIL = 750 Cu. Yds.

SURVEYED BY: S.S. D.S.

DRAWN BY: J.R.S.

DATE: 3-1-96

SCALE: 1" = 50'

FILE:

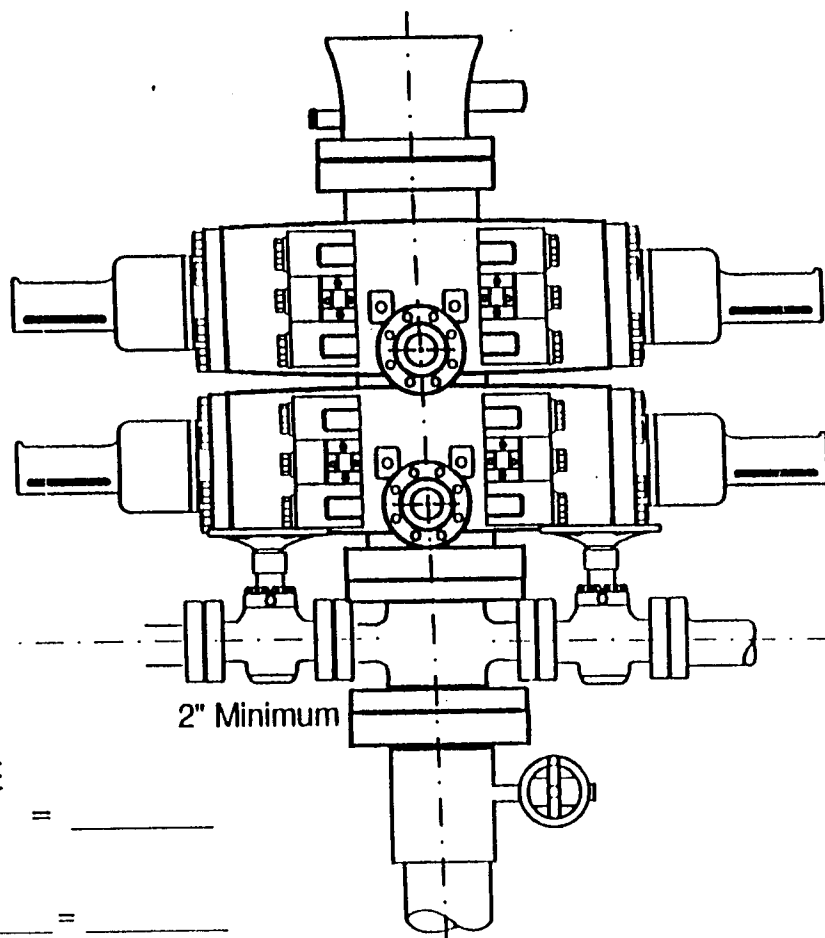
Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

RAM TYPE B.O.P.
 Make:
 Size:
 Model:

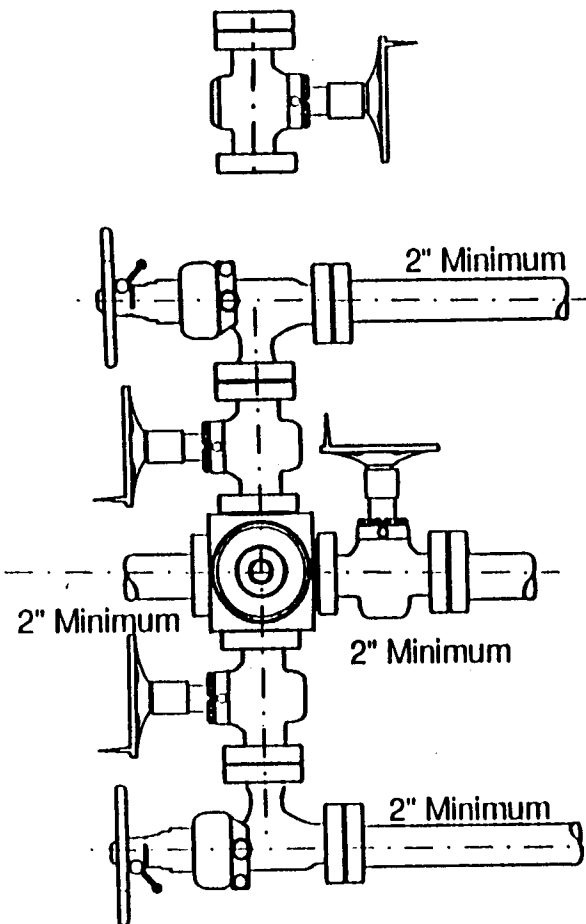
2-M SYSTEM

EXHIBIT F

Page 4



2" Minimum



2" Minimum

2" Minimum

2" Minimum

2" Minimum

GAL TO CLOSE

Annular BOP = _____

Ramtype BOP

_____ Rams x _____ = _____

= _____ Gal.

_____ x 2 = _____ Total Gal.

Rounding off to the next higher

increment of 10 gal. would require

_____ Gal. (total fluid & nitro volume)

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/11/96

API NO. ASSIGNED: 43-013-31620

WELL NAME: TAR SANDS FEDERAL 5-30
OPERATOR: INLAND PRODUCTION CO (N5160)

PROPOSED LOCATION:

SWNW 30 - T08S - R17E
SURFACE: 0631-FWL-1884-FNL
BOTTOM: 0631-FWL-1884-FNL
DUCHESNE COUNTY
UNDESIGNATED FIELD ()

LEASE TYPE: FED
LEASE NUMBER: U-74869

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal ☒ State ☐ Fee ☐
(Number 4488944)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number WATER SUPPLY WELL 5-35)
☒ RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

___ R649-2-3. Unit: _____
☒ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS: _____

STIPULATIONS: _____

STATE OF UTAH, DIV OF OIL, GAS & MINERALS

Operator: INLAND PRODUCTION CO	Well Name: TAR SANDS FED 5-30
Project ID: 43-013-31620	Location: SEC. 30 - T088 - R17E

Design Parameters:

Mud weight (5.32 ppg) : 0.276 psi/ft
 Shut in surface pressure : 1517 psi
 Internal gradient (burst) : 0.043 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	6,500	5.500	17.00	J-55	LT&C	6,500	4.767		
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)		
1	1796	4910	2.734	1796	5320	2.96	110.50	247	2.24 J

Prepared by : MATTHEWS, Salt Lake City, Utah

Date : 04-08-1996

Remarks :

Minimum segment length for the 6,500 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 119°F (Surface 74°F , BHT 165°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.276 psi/ft and 1,796 psi, respectively.

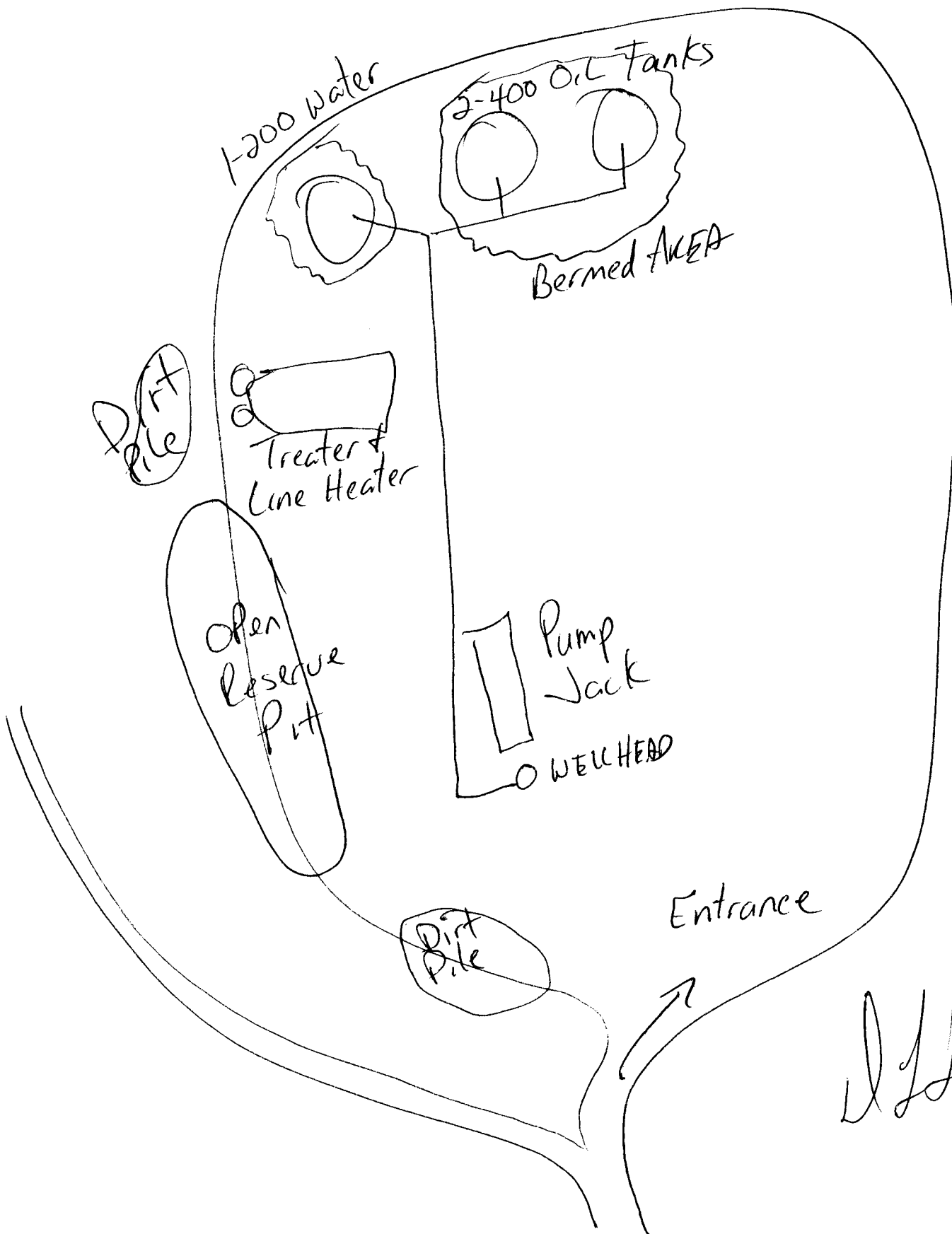
NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1987 pricing model. (Version 1.07)

Inland Production C
Tar Sands Federal # 5-30
Sec 30; T8S; R17E
(Pow)

U-74869

43-013-31620

10/3/96



U. L. Ingram

**A CULTURAL RESOURCES SURVEY OF
TAR SANDS FEDERAL WELLS #4-30 AND #5-30, DUCHESNE COUNTY, UTAH**

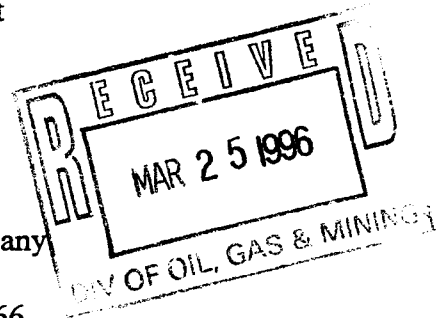
43-013-31620

by

Heather M. Weymouth
Senior Archaeologist

Prepared for:

Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066



Prepared by:

Sagebrush Archaeological Consultants, L.L.C.
3670 Quincy Avenue, Suite 203
Ogden, Utah 84403

Under Authority of Cultural Resources Use Permit No. 95UT54630

and

Under Authority of Utah State Antiquities Permit No. U-96-SJ-0117b

Archaeological Report No. 853-01

March 11, 1996

INTRODUCTION

In February 1996, Inland Production Company (Inland) of Roosevelt, Utah requested that Sagebrush Archaeological Consultants, L.L.C. (Sagebrush) conduct a cultural resources inventory of Inland's Tar Sands Federal wells #4-30 (558.6' FNL 643.2' FWL) and #5-30 (1884.4' FNL 631.4' FWL) located on lands controlled by the Bureau of Land Management (BLM) in Duchesne County, Utah (Figure 1).

The proposed wells are located in T. 8S., R. 17E., S. 30 on USGS 7.5' Quadrangle Myton SE, Utah (1964). The project was carried out by Heather M. Weymouth and Lynita S. Langley on March 5, 1996 under authority of Cultural Resources Use Permit No. 95UT54630 and Utah State Antiquities Permit No. U-96-SJ-0117b.

A file search for previously recorded cultural resource sites and paleontological localities located near the current project area was conducted by Heather M. Weymouth and Lynita S. Langley on February 23, 1996 at the BLM, Vernal District Office to determine if any cultural resource projects had been conducted or sites recorded in or near the current project area. An additional file search was conducted by Michael R. Polk at the Division of State History, Utah State Historic Preservation Office, Salt Lake City on February 21, 1996.

More than 30 previous cultural resources projects have been conducted in the area of the current project. Due to the large number of projects conducted in this area, individual project descriptions will not be listed. However, five cultural resources sites and three paleontological localities are listed as being located near the current project area. Following is a brief description of these sites and localities:

Cultural Resource Sites

Site 42Dc557. This site, located in a wide drainage at the base of a rock face, is a small historic trash scatter. This site was recommended NOT eligible to the National Register of Historic Places (NRHP).

Site 42Dc854. This site is a large prehistoric campsite located in a dunal area. This site consists primarily of a large (500-plus flakes) lithic scatter. Primary flakes are dominant with secondary common, tertiary flakes, shatter and cores present but rare. Fire-cracked rock (FCR) was scattered through the site in eroded areas. No particular FCR configurations were noted possibly due to the deflated nature of portions of the site. Seven crude bifaces and two possible groundstone fragments (one a possible mano fragment) were also located at this site. This site was recommended ELIGIBLE to the NRHP.

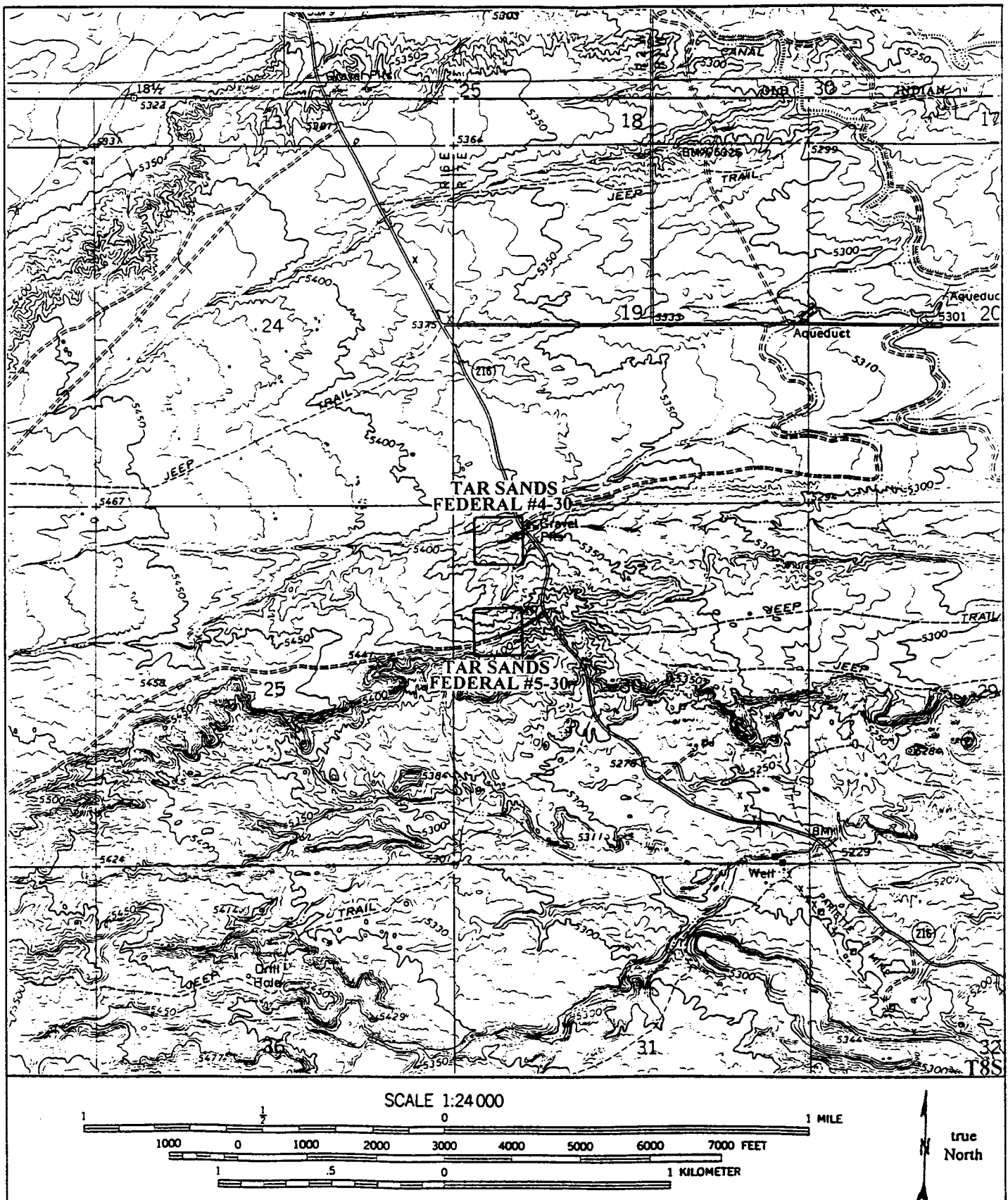


Figure 1. Location of Inland Resources Corporation's Tar Sands Federal Wells #4-30 and #5-30. Taken from USGS 7.5' Quadrangle Myton SE, Utah (1964).

Site 42Dc908. This site consists of a large lithic scatter and is located on a gently sloping bench above a large drainage and below a small knoll. Tools located at the site include sixteen bifacially worked tools and two cores. No diagnostic tools or features were noted. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc909. This site, located on a sandy bluff flanked by three drainages, consists of a large and sparse lithic scatter. Artifacts noted include approximately 150 lithic flakes, three bifaces and a drill. No features and no diagnostic tools were noted. This site was recommended ELIGIBLE to the NRHP.

Site 42Dc937. This site, located at the terminus of a gravel-covered sand bar between two ephemeral stream channels, is a sparse lithic scatter of low grade chert. No diagnostic artifacts nor features are present at the site. This site was recommended NOT eligible to the NRHP.

Paleontological Localities

Locality 42Dc103p. This locality, situated in the NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec. 25, consists of plant specimens and a possible fish tail fossil found in an outcropping of sandstone in the Uinta Formation. This locality is considered IMPORTANT.

Locality 42Dc224v. This locality consists of several fossilized turtle shells eroding out of the portion of Uinta Formation exposed along the south side of well pad #15-36. Fragments of what appear to be "a small fossil lizard jaw". This locality is considered SIGNIFICANT.

Locality 42Dc225v. This locality consists of fragmented pieces of turtle shell scattered about the southwest portion of well #10-36. This material may have been transported by water action to this location from the outcrop immediately to the south. Additionally, a number of turtle shell fragments were found around the hill northeast of the well pad. This locality is considered IMPORTANT.

In addition to these searches, the NRHP was consulted prior to conducting the survey. No NRHP listed or determined eligible sites were found to be in the vicinity of the current project area.

ENVIRONMENT

The project area lies in dissected tablelands south of Pleasant Valley. The elevation of the project area ranges from approximately 5350 to 5420 feet a.s.l. Sediments consist of tan to light brown sandy loam with occasional sandstone outcroppings and angular fragments of sandstone, limestone and gilsonite visible on the surface. Vegetation in the survey area consists of shadscale community species. Noted species include winterfat, cheat grass, four-wing salt brush, shadscale, sagebrush, prickly pear cactus, buckwheat, and bunch grass. There are no permanent water sources in the immediate project area. However, many seasonally flowing drainages and washes are present in the general vicinity. These seasonal water sources were likely the primary sources of water in this area historically. Natural disturbance in the area is primarily in the form of aeolian movement of sand and some water erosion. Cultural disturbance includes grazing, pre-existing well pad locations and a number of access roads leading to the well locations.

METHODOLOGY

The project area consists of two 40,469 m² (10 acre) parcels of land 201-by-201 m (660-by-660 ft) centered on the proposed well heads. Both proposed well pads are located along previously surveyed access road corridors. The well pads were inventoried by Heather M. Weymouth and Lynita S. Langley walking parallel transects spaced no more than 15 meters apart. The area surveyed during this project totaled 80,938 m² (20 acres)

RESULTS

No cultural resources sites nor paleontological localities were found as a result of this inventory.

RECOMMENDATIONS

Since there were no cultural resources nor paleontological resources found, cultural and paleontological clearance is recommended for the proposed project.

This investigation was conducted with techniques which are considered to be adequate for evaluating cultural and paleontological resources which could be adversely affected by the project. However, should such resources be discovered during construction, a report should be made immediately to the BLM District Archaeologist, Vernal District Office, Vernal, Utah.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

April 8, 1996

Inland Production Company
P.O. Box 1446
Roosevelt, Utah 84066

Re: Tar Sands Federal #5-30 Well, 1884' FNL, 631' FWL, SW NW,
Sec. 30, T. 8 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31620.

Sincerely,

R. J. Fifth
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

WAPD



Operator: Inland Production Company
Well Name & Number: Tar Sands Federal #5-30
API Number: 43-013-31620
Lease: U-74869
Location: SW NW **Sec.** 30 **T.** 8 S. **R.** 17 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

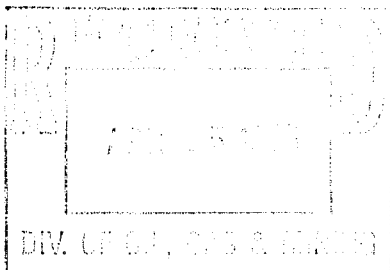
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-74869
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Inland Production Company			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 1446 Roosevelt, UT 84066			8. FARM OR LEASE NAME Tar Sands Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface SW/NW 631.4' FWL & 1884.4' FNL At proposed prod. zone			9. WELL NO. #5-30
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9.5 Miles southeast of Myton, Utah			10. FIELD AND POOL, OR WILDCAT
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 631.4'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 30, T8S, R17E
16. NO. OF ACRES IN LEASE 1968.01			12. COUNTY OR PARISH Duchesne
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE UT
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1291.4'			20. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 6500'			22. APPROX. DATE WORK WILL START* 2nd Quarter 1996
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5420.1' GR			

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	300'	120 sx Class G+2% CaCl+2% Gel
7 7/8	5 1/2	15.5#	TD	400 sx Hilift followed by
				330 sx Class G w/ 10% CaCl

The actual cement volumes will be calculated off of the open hole logs, plug 15% excess.



RECEIVED
MAR 11 1996

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Brad Mechem *Brad Mechem* TITLE Operations Manager DATE 3/5/96

(This space for Federal or State office use)

PERMIT NO. 43-013-31620 APPROVAL DATE APR 11 1996
APPROVED BY *[Signature]* TITLE ASSISTANT DISTRICT MANAGER (MINING)
CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

U+080-613-078

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Inland Production Company

Well Name & Number: Tar Sands Fed. 5-30

API Number: 43-013-31620

Lease Number: U-74869

Location: SWNW Sec. 30 T. 8S R. 17E

NOTIFICATION REQUIREMENTS

- | | | |
|---------------------------------|---|---|
| Location Construction | - | at least forty-eight (48) hours prior to construction of location and access roads. |
| Location Completion | - | prior to moving on the drilling rig. |
| Spud Notice | - | at least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report **ALL** water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at ± 285 ft. or by setting the surface casing at ± 335 ft. and have a cement top for the production casing at least 200 ft. above the Mahogany Oil Shale, identified at ± 2538 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

The Gamma Ray and Induction Logs need to be pulled from TD to the Surface Shoe.

A cement bond log (CBL) will be run from the production casing shoe to ± 2338 ft. if the surface casing is set at ± 335 ft. or it will be run to **SURFACE** if the surface casing is set at ± 300 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert (801) 789-4170
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

Jerry Kenczka (801) 789-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

-Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

-All vehicle travel will be confined to existing access road rights-of-way.

-The pit spoils should be piled on the east side of the reserve pit instead of as shown on the cut sheet.

-No surface disturbing activities, construction, or drilling operations, including the initial completion activities, are to occur on the well, access road, or location from March 15 through August 15. This restriction is to protect Mountain Plovers and Burrowing Owls located in the surrounding area. The restriction does not apply to maintenance and operation of existing wells and facilities. Waivers, exceptions, or modifications to this Condition of Approval may be specifically approved in writing by the authorized officer of the Bureau of Land Management if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

-An erosion dam should be constructed in the drainage north of the well pad as staked.

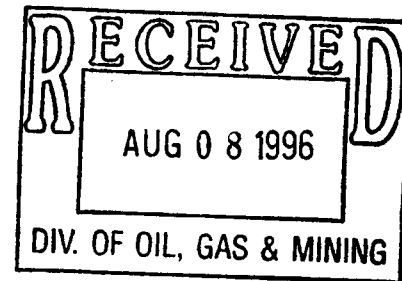
SPUDDING INFORMATION

Date: 8/1/96 Signed: FRM



August 5, 1996

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078



ATTENTION: Ed Forsman

Re: ✓ Boundary Federal #7-20
SW/NE Sec. 20, T8S, R17E

✓ Monument Butte Federal #14-24 (DRL)
SE/SW Sec. 24, T8S, R16E

✓ Monument Butte Federal #16-25
SE/SE Sec. 25, T8S, R16E (DRL)


✓ Tar Sands Federal #5-30
SW/NW Sec. 30, T8S, R17E (DRL)

✓ Travis Federal #16-28 (DRL)
SE/SE Sec. 28, T8S, R16E
Duchesne County, Utah

Dear Ed,

Enclosed are the original and two copies (each) of the Sundry Notices and Reports on Wells; spud notifications on the Tar Sands and Travis wells, and status reports for the other above referenced locations. Copies will also be submitted to the State of Utah.

If additional information is needed, please contact me or Cheryl at (801)722-5103, in the Roosevelt office.

Sincerely,

Cori Brown
Secretary

cc: Attn: Frank Matthews
State of Utah
Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

/cb
Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-74869

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

8. Well Name and No.

Tar Sands Federal #5-30

9. API Well No.

43-013-31620

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

P.O. Box 1446 Roosevelt, Utah 84066 (801)722-5103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/NW 631.4' FWL & 1884.4' FNL
Sec. 30, T8S, R17E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

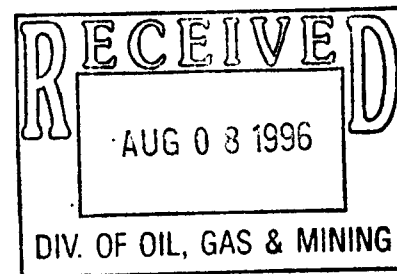
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Spud Notification
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled 17 1/2" hole to 20'. Set 20' of 13 3/8" csg. Finished drilling 12 1/4" hole to 303' w/ Leon Ross Rathole Rig. Set 293.98' of 8 5/8" csg. Drilled mouse & rat hole. Cmt w/ 120 sx prem + w/ 2% Gel, 2% CC and 1/4# per sk flocele.

SPUD 7/30/96



14. I hereby certify that the foregoing is true and correct

Signed Cheryl Cameron Title Regulatory Compliance Specialist Date 8/2/96

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-74869

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

8. Well Name and No.

Tar Sands Federal #5-30

9. API Well No.

43-013-31620

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Duchesne County, Utah

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

P.O. Box 1446 Roosevelt, Utah 84066 (801)722-5103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SW/NW 631.4' FWL & 1884.4' FNL
Sec. 30, T8S, R17E**

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

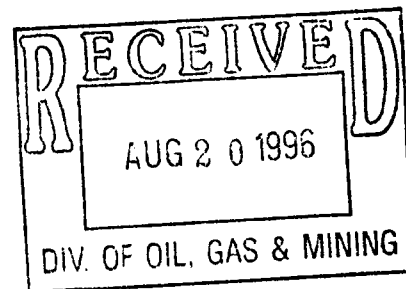
TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other Weekly status
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

WEEKLY STATUS REPORT FOR WEEK OF 8/5/96 - 8/12/96:

Drilled 7 7/8" hole from 303' -6260' w/ Kenting Apollo, Rig #56.
Set 6261.79' of 5 1/2" 15.5# J-55 csg. Cmt w/ 370 sx Hybond & 360
sx Thixo w/ 10% Calseal.



14. I hereby certify that the foregoing is true and correct

Signed

Cheryl Cameron

Title **Regulatory Compliance Specialist** Date **8/13/96**

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



August 19, 1996

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

ATTENTION: Ed Forsman

Re: South Pleasant Valley Federal #9-19
NE/SE Sec. 19, T9S, R17E

Tar Sands Federal #4-28
NW/NW Sec. 28, T8S, R17E

Tar Sands Federal #5-30
SW/NW Sec. 30, T8S, R17E

Tar Sands Federal #4-31
NW/NW Sec. 31 T8S, R17E

Tar Sands Federal #4-33
NW/NW Sec. 33, T8S, R17E

Tar Sands Federal #5-33
SW/NW Sec. 33, T8S, R17E

Dear Ed,

Enclosed are the original and two copies (each) of the Sundry Notices and Reports on Wells; spud notifications on the SPVF #9-19, Tar Sands #4-33 and #5-33 wells, and status reports for the other above referenced locations. Copies will also be submitted to the State of Utah.

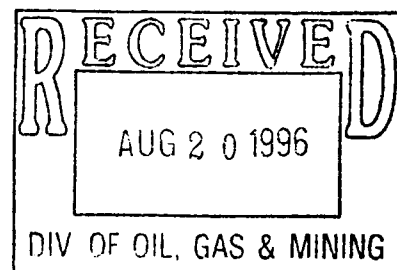
If additional information is needed, please contact me or Cheryl at (801)722-5103, in the Roosevelt office.

Sincerely,

Cori Brown
Secretary

cc: Attn: Frank Matthews
State of Utah
Division of Oil, Gas & Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

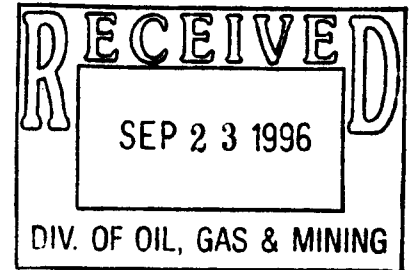
/cb
Enclosures





September 19, 1996

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078



ATTENTION: Ed Forsman

RE: Tar Sands Federal #5-30 ✓
SW/NW Sec. 30, T8S, R17E

Ashley Federal #12-24R ✓
NW/SW Sec. 24, T9S, R15E

Tar Sands Federal #5-33 ✓
SW/NW Sec. 33, T8S, R17E

Monument Butte Federal NE #13-24 ✓
Sec. 24, T8S, R17E

Dear Ed,

Enclosed is the original, and two copies (each) of the Sundry Notices and Reports on wells, for the above referenced locations. Copies will also be submitted to the State of Utah.

Please contact me in the Roosevelt office (801 722-5103), if you have questions, or need additional information.

Sincerely,

Cheryl Cameron
Regulatory Compliance Specialist

cc: State of Utah
Division of Oil Gas & Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Enclosures

(June 1990)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well



Oil Well



Gas well



Other

2. Name of Operator

Inland Production Co.

3. Address and Telephone No.

P.O. Box 1446 Roosevelt, UT 84066 (801)722-5103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/NW 631.4' FWL & 1884.4' FNL**Sec. 30, T8S, R17E**

5. Lease Designation and Serial No.

U-74869

6. If Indian, Allottee or Tribe Name

7. If unit or CA, Agreement Designation

8. Well Name and No.

Tar Sands Fed #5-30

9. API Well No.

43-013-31620

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Duchesne, Ut

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION



Notice of Intent



Subsequent Report



Final Abandonment Notice

TYPE OF ACTION



Abandonment



Recompletion



Plugging Back



Casing repair



Altering Casing

Other **Weekly Status**

Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-off



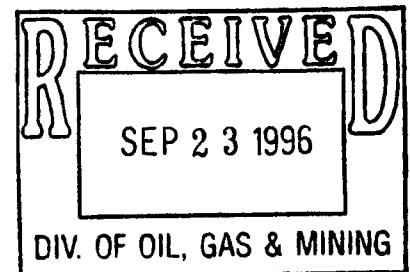
Conversion to Injection



Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Weekly Status Report for week of 9/19/96-9/17/96**Perf B-1 sd @ 5429'-5439' & Frac****Perf D-3 sd @ 5256'-5262' & Frac****Perf D-1 sd @ 5131'-5133', 5141'-5148'****5150'-5153' & Frac**

14. I hereby certify that the foregoing is true and correct

Signed

Cheryl Cameron

Title

Regulatory Compliance SpecialistDate **9/19/96**

(This space of Federal or State office use.)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly to make to any department of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR Inland Production Company
ADDRESS P.O. Box 1446
Roosevelt, Utah 84066

OPERATOR ACCT. NO. H 5160

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11958	43-013-31620	Tar Sands Federal #5-30	SNNW	30	8S	17E	Duchesne	7/30/96	7/30/96
WELL 1 COMMENTS: Entity added 8-6-96. <i>LC</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

13-ES1

Cheryl Cameron
Signature Cheryl Cameron
Regulatory Compliance Specialist 8/2/96
Title _____ Date _____
Phone No. 801-722-5103

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

P.O. Box 1446 Roosevelt, UT 84066 (801) 722-5103

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/NW 631.4' FWL & 1844.4' FNL
Sec. 30, T8S, R17E

5. Lease Designation and Serial No.

U-74869

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Tar Sands Fed. 5-30

9. API Well No.

43-013-31620

10. Field and Pool, or Exploratory Area

Monument Butte

11. County or Parish, State

Duchesne County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Weekly Status

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

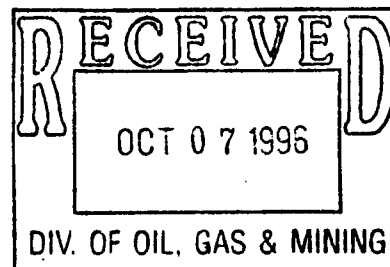
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

WEEKLY STATUS REPORT FOR WEEK OF 9/18/96 - 9/19/96:

RIH w/ production string

ON PRODUCTION 9/19/96



14. I hereby certify that the foregoing is true and correct

Signed Cheryl Cameron

Title Regulatory Compliance Specialist

Date 9/30/96

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-74869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Tar Sands Federal

9. WELL NO.

#5-30

10. FIELD AND POOL, OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 30, T8S, R17E

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other _____

2. NAME OF OPERATOR

Inland Production Company

3. ADDRESS OF OPERATOR

P.O. Box 790233 Vernal, UT 84079 (801) 789-1866

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface SW/NW

At top prod. interval reported below 1884.4' FNL & 631.4' FWL

At total depth

14. PERMIT NO.

43-013-31620

DATE ISSUED

4/11/96

15. DATE SPUDDED

7/30/96

16. DATE T.D. REACHED

8/10/96

17. DATE COMPL. (Ready to prod.)

9/19/96

18. ELEVATIONS (DP, RKB, RT, OR, ETC.)*

5420.1 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6260'

21. PLUG BACK T.D., MD & TVD

6216'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Green River
5429'-5439', 5256'-5262', 5131'-5133', 5141'-5148', 5150'-5153'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL, DLL, CNL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	292.18 GL	12 1/4	120 sx prem + w/ 2% gel, 2% sk flocele	CaCl + 1/4#
5 1/2	15.5#	6261.79 KB	7 7/8	370 sx Hybond & 360 sx Thixo w/ 10% CalSeal	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD


31. PERFORATION RECORD (Interval, size and number)

B-1 5429'-5439'
D-3 5256'-5262'
D-1 5131'-5133', 5141'-5148', 5150'-5153'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
See Back	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
9/19/96		Pumping - 2½" X 1½" X 15' RHAC pump				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10 day avg	9/96	N/A	→	69	102	3	1.5
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs listed in Item #26

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Cheryl Cameron

TITLE

Regulatory Compliance Specialist

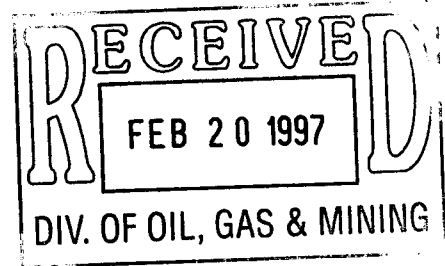
DATE 10/30/96

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr	4427'		#32 Perf B-1 sd 5429'-5439' Frac w/ 71,700# 20/40 sd in 442 bbls boragel Perf D-3 sd 5256'-5262' Frac w/ 71,700# 20/40 sd in 442 bbls boragel Perf D-1 sd 5131'-5133', 5141'-5148' 5150'-5153' Frac w/ 63,400# 20/40 sd in 377 bbls boragel			
Point 3 Mkr	4707'					
X Mkr	4941'					
Y Mkr	4975'					
Douglas Ck Mkr	5101'					
Bicarbonate Mkr	5351'					
B Limestone Mkr	5493'					
Castle Peak	5958'					
Basal Carbonate	NDE					



February 18, 1997



State of Utah
Division of Oil, Gas & Mining
P.O. Box 145801
1594 West North Temple Suite 1210
Salt Lake City Utah 84114-5801

ATTENTION: Vicky Dyson

RE: Tar Sands Federal #5-30
API# 43-013-31620
7085 R17E 30
POW

Dear Ms. Dyson,

Enclosed are the CBL, DLL, and the CNL, for the above referenced location,
that you requested.

Please contact me in the Vernal Branch office (801) 789-1866 (P.O. Box
790233, Vernal, UT, 84079), if you have any questions, or need additional information.

Sincerely,

Cheryl Cameron
Regulatory Compliance Specialist

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
WORKOVER AND COMPLETION RECORD

OPERATOR: INLAND PRODUCTION COMPANY COMPANY REP: BRAD MECHAM

WELL NAME: TAR SANDS FEDERAL #5-30 API NO: 43-013-31620

SECTION: 30 TWP: 8S RANGE: 17E COUNTY: DUCHESNE

TYPE OF WELL: OIL: YES GAS: WATER INJECTION:

STATUS PRIOR TO WORKOVER: POW, WILL CONVERT TO WIW

INSPECTOR: DENNIS L. INGRAM TIME: 10:45 AM DATE: 7/7/98

REASON FOR WORKOVER:

CHANGE OF LIFT SYSTEM: UMP CHANGE: PARTED RODS:

CASING OR LINER REPAIR: ACIDIZE: COMPLETION: YES

TUBING CHANGE: WELLBORE CLEANOUT: WELL DEEPEMED:

ENHANCED RECOVERY: THIEF ZONE: CHANGE ZONE:

ENVIRONMENTAL/DISPOSITION OF FLUIDS USED: PIT TANK & 400 BBL.
UPRIGHT

PIT: LINED N UNLINED N FRAC TANK TRUCK BOPE: YES H2S PRESENT:
N

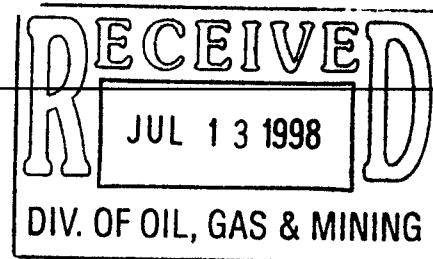
OPERATIONS AT THE TIME OF INSPECTION: TRIP IN HOLE WITH TUBING,

PACKER AND TEST PLUG. FLINT RIG ON HOLE

REMARKS:

OPERATOR HAS A AERO-SET PACKER AND TEST PLUG ON STRING TO TEST.

THEY PLAN TO CONVERT THIS WELL TO AN INJECTION WELL.



July 9, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Injection Conversion and Mechanical Integrity Test
Tar Sands Federal #5-30
Section 30-T8S-R17E
Duchesne County, Utah

Dear Mr. Jarvis:

Please find attached, Form 3160-5, Sundry Notice and Report on Wells, for work performed on the above referenced well, along with a copy of the chart. Should you have any questions, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight
Manager, Regulatory Compliance

cc: Mr. Edwin Forsman, BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-74869

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

TAR SANDS FEDERAL 5-30

9. API Well No.

43-013-31620

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐

Oil
Well

☐

Gas
Well

☒

Other

WIW

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1884 FNL 0631 FWL SW/NW Section 30, T08S R17E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

TYPE OF ACTION

☐

Abandonment

☐

Recompletion

☐

Plugging Back

☐

Casing Repair

☐

Altering Casing

☐

Other _____

☐

Change of Plans

☐

New Construction

☐

Non-Routine Fracturing

☐

Water Shut-Off

☒

Conversion to Injection

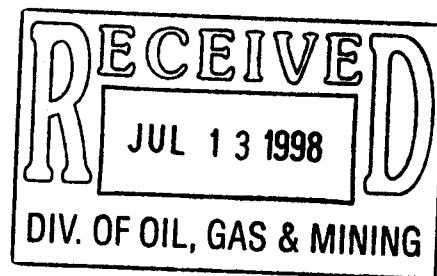
☐

Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above referenced well has been converted from a producing oil well to a water injection well. A mechanical integrity test was performed on 7-7-98. EPA and DOGM were notified, but did not witness. Attached is a copy of the chart, along with a copy of the "Daily Workover Report".



14. I hereby certify that the foregoing is true and correct

Signed

Debbie E. Knight

Title

Manager, Regulatory Compliance

Date

7/9/98

(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*INTL
1-4-99
PTK*



Daily Workover Report

TAR SANDS FEDERAL 5-30
SW/NW Section 30, T08S R17E
DUCHESNE Co., Utah
API # 43-013-31620

Spud Date: 7/30/96
POP: 9/19/96
TD: 6260'
WO Rig: Flint #1455

7/3/98 PO: Injection Conversion. (Day 1)

Summary: 7/2/98 - MIRUSU. Pump 60 bbls H2O down csg and fill tbg w/5 bbls H2O. Pressure test tbg to 1200 psi and unhang rods. RU rod equipment and unseat pump. Flush rods w/40 bbls H2O and TOH w/1 - 1-1/2" polish rod, 1 - 3/4" 2' pony, 1 - 3/4" 8' pony, 95 - 3/4" guided rods, 24 - 3/4" plain rods, 7 - 3/4" guided rods, 81 - 3/4" plain rods, 4 - 3/4" guided rods, 4 - 1-1/2" WT bars and rod pump. RD rod equipment and RU tbg equipment. ND well head and release TA. NU BOP and TOH w/121 jts 2-7/8" tbg breaking and applying "Liquid O Ring" to all pin ends. SDFN.
DC: \$2,800 TWC: \$2,800

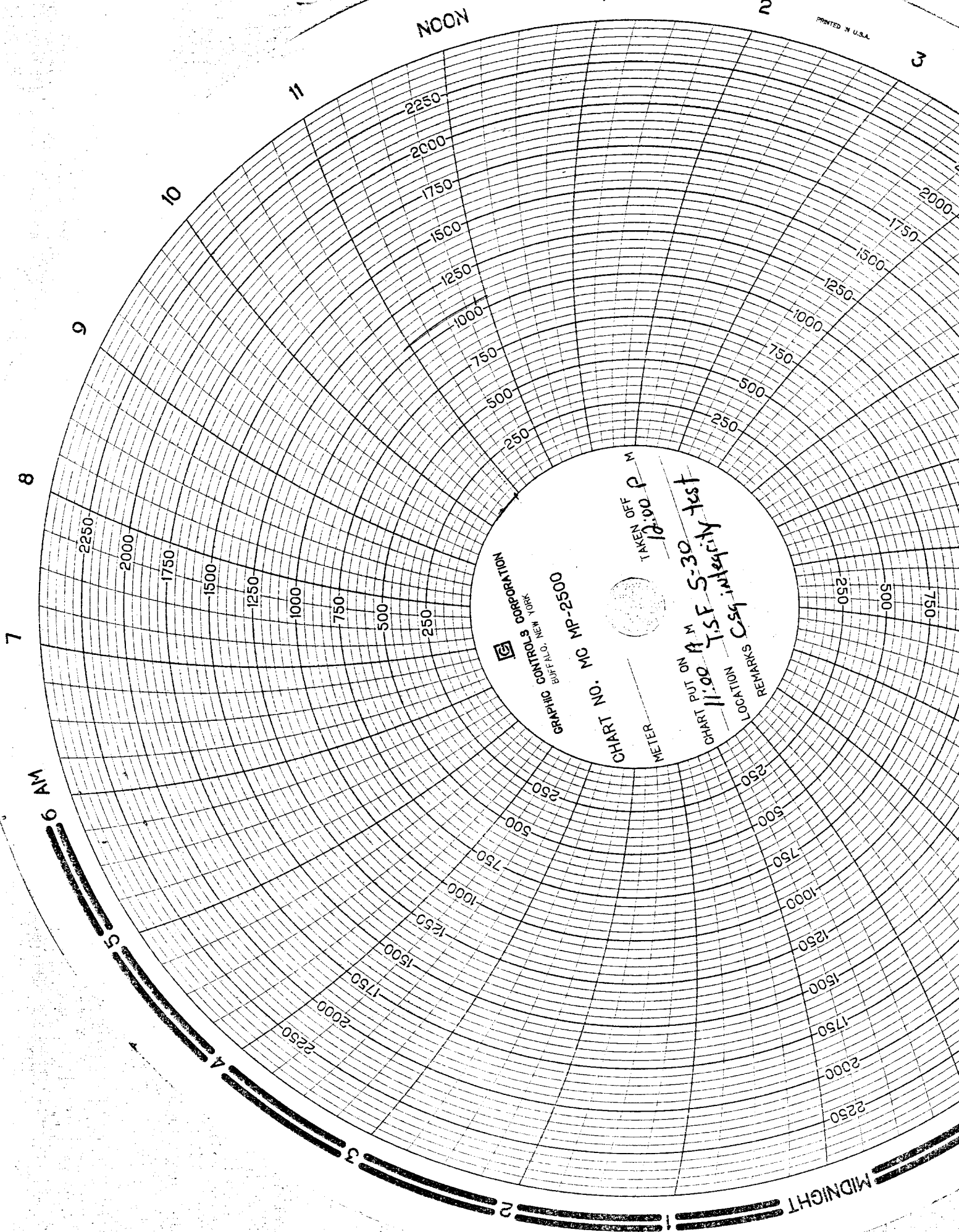
7/4/98 SD for Holiday and Weekend.

7/7/98 PO: Csg integrity test. (Day 2)

Summary: 7/6/98 - Finish POOH w/tbg breaking collars and applying liquid O ring to pins. TIH w/5-1/2" 40,000 shear arrow set 1 pkr, SN, 161 jts 2-7/8" tbg. ND BOP and displace hole with pkr fluid. Set pkr in 12,000 tension @ 5040'. NU wellhead and pressure csg to 1100 psi. RDMOSU.
DC: \$3,600 TWC: \$6,400

7/8/98 PO: Prepare to inject. (Day 3)

Summary: 7/7/98 - John Carsons w/ EPA and Dan Jarvis w/the state of Utah was notified 24 hrs prior to M.I.T. On 7-7-98 at 11:00 am csg was pressured to 1060 psi and maintained for 1 hr.
DC: \$0 TWC: \$6,400



NOON

2

3

9

8

7

6 AM

5

4

3

2

MIDNIGHT

GRAPHIC CONTROL & CORPORATION
BUREAU NEW YORK

CHART NO. MC MP-25500

TAKEN OFF M
12:00 P

METER

CHART PUT ON M
11:00 A S-30
T.S.F. integrity test

REMARKS
LOCATION

May 5, 1987

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

OIL ☐ GAS ☐ OTHER ☒ INJECTION
WELL WELL

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

3. ADDRESS OF OPERATOR
**Route #3 Box 3630 Myton, Utah 84052
(435) 646-3721**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

SW/NW 1884 FNL 0631 FWL

5. LEASE DESIGNATION AND SERIAL NO.
U-74869

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME
N/A

7. UNIT AGREEMENT NAME
SAND WASH (GR RVR)

8. FARM OR LEASE NAME
TAR SANDS FEDERAL 5-30

9. WELL NO.
5-30-8-17

10. FIELD AND POOL, OR WILDCAT
MONUMENT BUTTE

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA
SW/NW Section 30, T08S R17E

14. API NUMBER
43-013-31620

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5420 GR

12. COUNTY OR PARISH
DUCHESNE

13. STATE
UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐ ABANDON* ☐
REPAIR WELL ☐
(OTHER) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐
FRACTURE TREATMENT ☐ ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐ ABANDONMENT* ☐
(OTHER) Step-Rate Test ☒

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On July 22, 1999 Inland Production Company conducted a Step-Rate Test (SRT) on the Tar Sands Federal #5-30-8-17 injection well in the Sand Wash Unit. Due to the results of the attached SRT Inland is requesting approval to change our Maximum Allowable Injection Pressure to 1128 psi on this well.

18 I hereby certify that the foregoing is true and correct

SIGNED Brad Mechem TITLE Operations Manager
Brad Mechem

DATE 7/22/99

**Approved by the
Utah Division of
Oil, Gas and Mining**

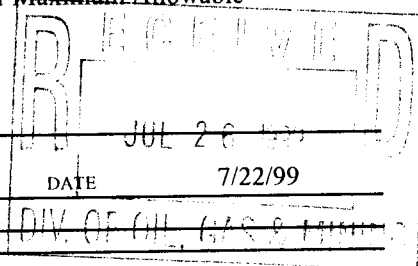
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

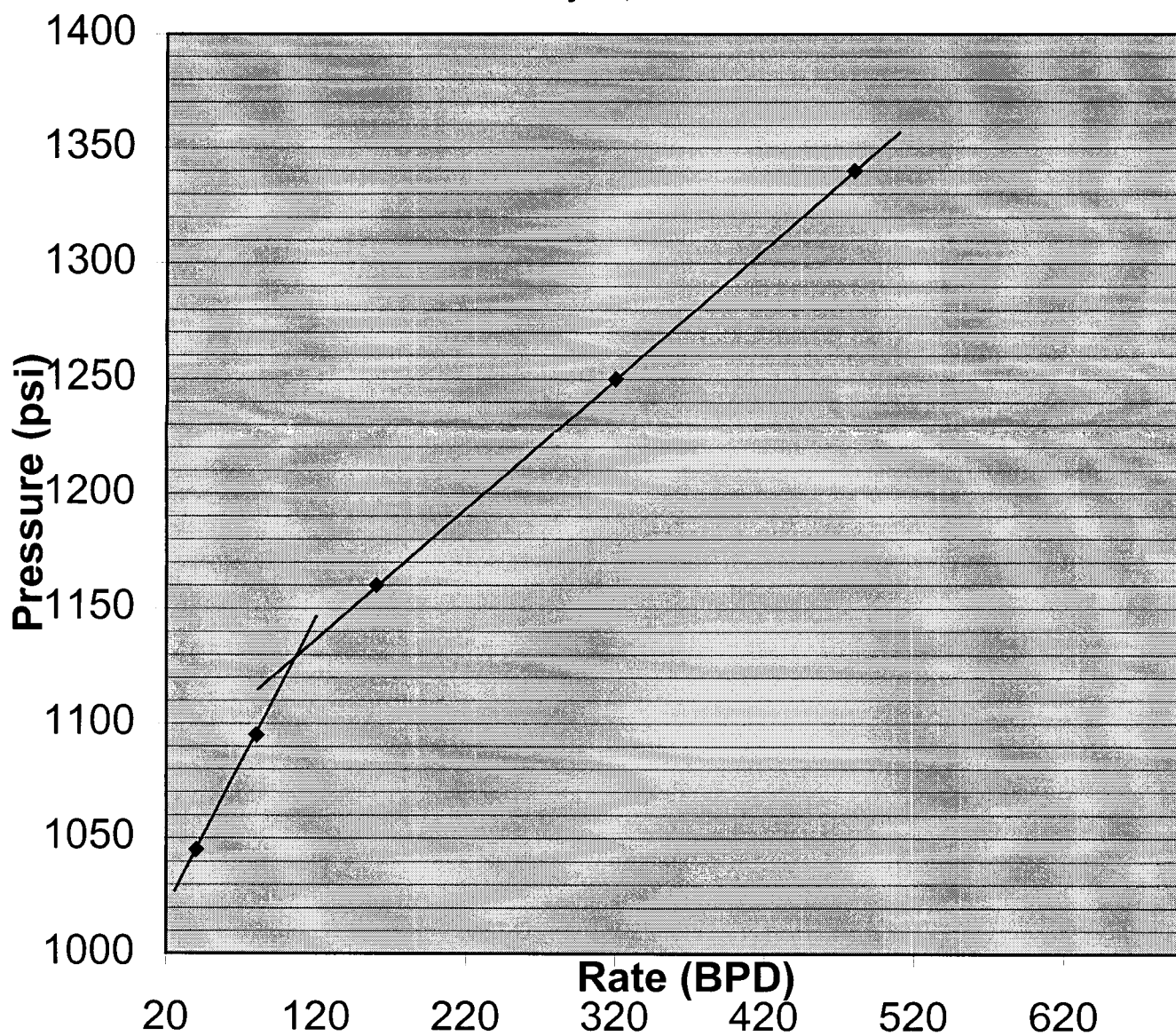
CONDITIONS OF APPROVAL, IF ANY:

Date: 8/5/99
By: [Signature]

DATE _____



**TSF 5-30-8-17
(Sand Wash Unit)
Step Rate Test
July 22, 1999**

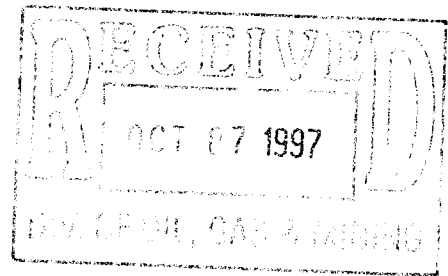


ISIP: 1320 psi

Fracture pressure: 1128 psi

FG: 0.655

Step	Rate(bpd)	Pressure(psi)
1	40	1045
2	80	1095
3	160	1160
4	320	1250
5	480	1340



INLAND PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

SAND WASH UNIT #441000

TAR SANDS FEDERAL #5-30

LEASE NO. U-74869

SEPTEMBER 29, 1997

Case 229-2

*Dan, 10-17-97
added to permits!
Fishe*

7 1997

OPERATOR Inland Production Company
ADDRESS P.O. Box 790233 Vernal, UT 84079

Comments:

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1) Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.
- 2) A request for agency action for authority for the injection of gas, liquefied petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:

2.1. *The name and address of the operator of the project;*

Answer: Inland Production Company
P.O. Box 1446
W. Poleline Road
Roosevelt, Utah 84066

2.2. *A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-quarter mile radius of the project area;*

Answer: Reference Exhibit "A".

2.3. *A full description of the particular operation for which approval is requested;*

Answer: To approve the conversion of the Tar Sands Federal #5-30 from a producing oil well to a water injection well in the Sand Wash Unit in the Monument Butte Field; and to approve the installation of an injection line. The line would leave the injection facility at the Monument Butte Federal #7-25 and proceed easterly approximately 1320' \pm , to the proposed Tar Sands Federal #5-30 injection well. The proposed injection line would be a 3" coated steel pipe, buried 5' below surface and would provide injection water to the Tar Sands Federal #5-30, from our existing water injection line. Reference Exhibit "B".

2.4. *A description of the pools from which the identified wells are producing or have produced;*

Answer: The proposed injection well will inject into the Green River Formation.

2.5. *The names, description and depth of the pool or pools to be affected;*

Answer: The Green River Formation pool targeted for injection is the B-1, D-1, and D-3 sands with a gamma ray derived top estimated @ 5429' in the B-1, 5131' in the D-1, and 5256' in the D-3. The injection zone is a porous and permeable lenticular calcareous sandstone. The porosity of the sandstone is intergranular. The confining impermeable stratum directly above the D-1 @ 5101', and below estimated at 5493' in the B-1. The injection zones are composed of tight, moderately calcareous lacustrine shale.

2.6. *A copy of a log of a representative well completed in the pool;*

Answer: Referenced log Tar Sands Federal #5-30 is on file with the Utah Division of Oil, Gas & Mining.

- 2.7. *A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily;*

Answer: Culinary water from Johnson Water District supply line.

Estimated Injection Rate:	Estimated Average	300 BPD
	Estimated Maximum	1000 BPD

- 2.8. *A list of all operators or owners and surface owners within a one-quarter mile radius of the proposed project;*

Answer: Reference Exhibit "C".

- 2.9. *An affidavit certifying that said operators or owners and surface owners within a one-quarter mile radius have been provided a copy of the petition for injection;*

Answer: Reference Exhibit "D".

- 2.10. *Any additional information the Board may determine is necessary to adequately review the petition.*

Answer: Inland will supply any additional information requested by the Utah Division of Oil Gas & Mining Board.

- 4.0. *Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the board after notice and hearing or by administrative approval.*

Answer: This proposed injection well is within the Sand Wash Unit , in the Monument Butte Field and the request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE
AND ENHANCED RECOVERY WELLS
SECTION V - RULE 615-5-2**

- 1) Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2) The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

- 2.1. *A plat showing the location of the injection well, all abandoned or active wells within a one-quarter mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-quarter mile radius of the proposed injection well;*

Answer: Reference Exhibits "A" and "C".

- 2.2. *Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity;*

Answer: All logs are on file with the Utah Division of Oil Gas & Mining.

- 2.3. *A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented;*

Answer: A copy of the cement bond log is on file with the Utah Division of Oil, Gas & Mining.

- 2.4. *Copies of log already on file with the Division should be referenced, but need not to be refiled.*

Answer: All copies of logs are on file with the Utah Division of Oil, Gas & Mining.

- 2.5. *A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well;*

Answer: The casing program is 8-5/8" 24# J-55 surface casing run to 292.18' GL, and the 5 1/2" casing from surface to 6261.79' KB. A casing integrity test will be conducted at time of conversion. Reference Exhibits "E-1" through "E-5".

- 2.6. *A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.*

Answer: Culinary water from Johnson water line at our pre approved Monument Butte supply line. Reference Exhibit "B". Estimated Injection Rate:

Average	300 BPD
Maximum	1000 BPD

- 2.7. *Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.*

Answer: A standard laboratory analysis of (1) the fluid to be injected (Johnson water), (2)

the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids. Reference Exhibits "F-1" through "F-4"

- 2.8. *The proposed average and maximum injection pressures;*

Answer: Proposed average and maximum injection pressures;

The proposed average and maximum injection pressure for the Tar Sands Federal #5-30 averages approximately ~~78~~ ¹⁸³ psig/ft.

- 2.9. *Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata;*

Answer: The frac gradient for the Tar Sands Federal #5-30, for proposed zones (5131' - 5439') averages approximately ~~78~~ ¹⁸³ psig/ft. The maximum injection pressures will be kept below this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. Reference Exhibit "G."

Proposed Maximum Injection Pressure:

$$\begin{aligned} pm &= [78 - (.433)(1.006)] \cdot 5131 \\ pm &= 1745\# \\ &2034 \end{aligned}$$

- 2.10. *Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent;*

Answer: In the Tar Sands Federal #5-30, the injection zone is in the B-1, D-3, and the D-1 sands (5131'-5439') and contained within the Douglas Creek member of the Green River Formation. The reservoir is a very fine grain sandstone with minor interbedded shale streaks. The estimated average porosity is ~~14%~~ ^{12.00}; and the estimated fracture pressure is ~~1745#~~ ²⁰³⁴ psi.

- 2.11. *A review of the mechanical condition of each well within a one-quarter mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals;*

Answer: Exhibits "E-1" through "E-5".

The injection system will be equipped with high and low pressure shut-down devices which will automatically shut-in injection waters if a system blockage or leakage occurs. One way check valves will also insure proper flow management. Relief valves will also be utilized for high pressure relief.

- 2.12. *An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-quarter mile radius of the proposed injection well;*

Answer: Exhibit "D".

- 2.13. *Any other additional information that the Board or Division may determine is necessary to adequately review the application.*

Answer: Inland Production Company will await review of this application and additional information will be submitted if required.

- 3) Applications for injection wells which are within a recovery project area will be considered for approval.
 - 3.1. Pursuant to Rule 615-5-1-3
 - 3.2. Subsequent to Board approval of a recovery project pursuant to Rule 615-5-1-3.
- 4) Approval of an injection well is subject to the requirements of Rule 615-5-4, if the proposed injection interval can be classified as an USDW.
- 5) In addition to the requirements of this section, the provisions of Rule 615-3-1, R615-3-4, R615-3-24, R615-3-32, R615-8-1 and R615-10 apply to all Class II injection wells.

INLAND PRODUCTION COMPANY

**Tar Sands Federal #5-30
SW/NW Sec. 30, T8S, R17E
Duchesne County, Utah**

PLUGGING & ABANDONMENT PLAN

The plugging and abandonment plan consists of the following plugs:

- PLUG #1:** Set 150' balanced plug inside 5 ½" csg from 3850' - 3650'. Circ well to 2200' w/ 9.2 PPG fluid.
- PLUG #2:** Set 150' balanced plug inside 5 ½" csg from 2400'-2200'. Circ well to 320' w/ 9.2 PPG fluid.
- PLUG #3:** Perforate 2' @ 2 spf 50' below the surface csg shoe @ 320'. RIH w/ tbg to 50' above the surface csg shoe @ 220', circ cmt to surface, circ to surface w/ 9.2 ppg plugging gel.
- PLUG #4:** 10 sx plug @ surface.
- Install dry hole marker & restore location.

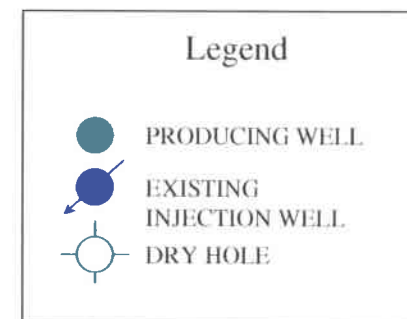
TAR SANDS

DUCHESNE COUNTY, UTAH

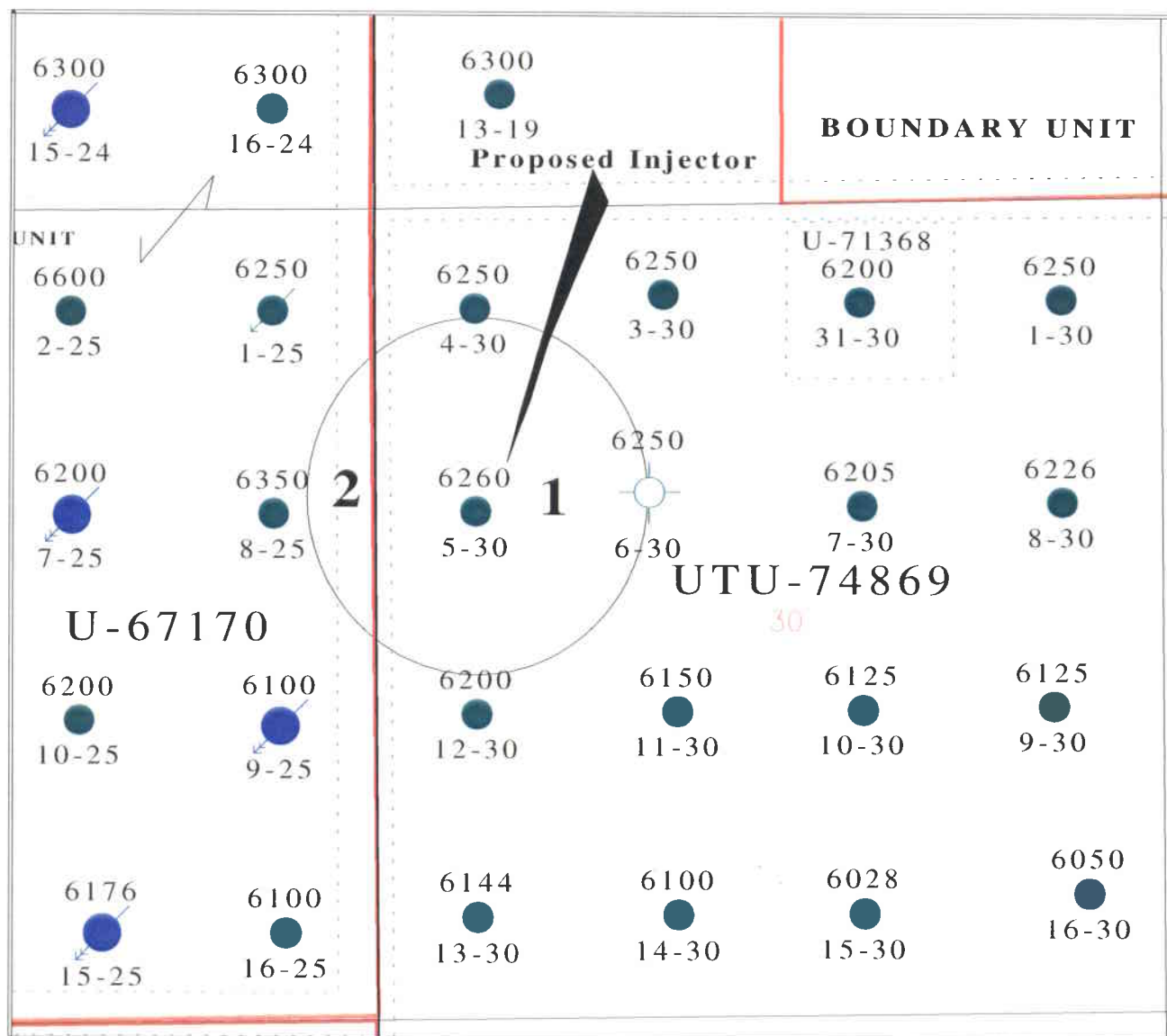
MINERAL RIGHTS

(GRAZING RIGHTS ONLY)
LESSEE:
ELMER MOON & SONS

EXHIBIT "A"



TAR SANDS FEDERAL 5-30 6260 TD



3 p 1. pA

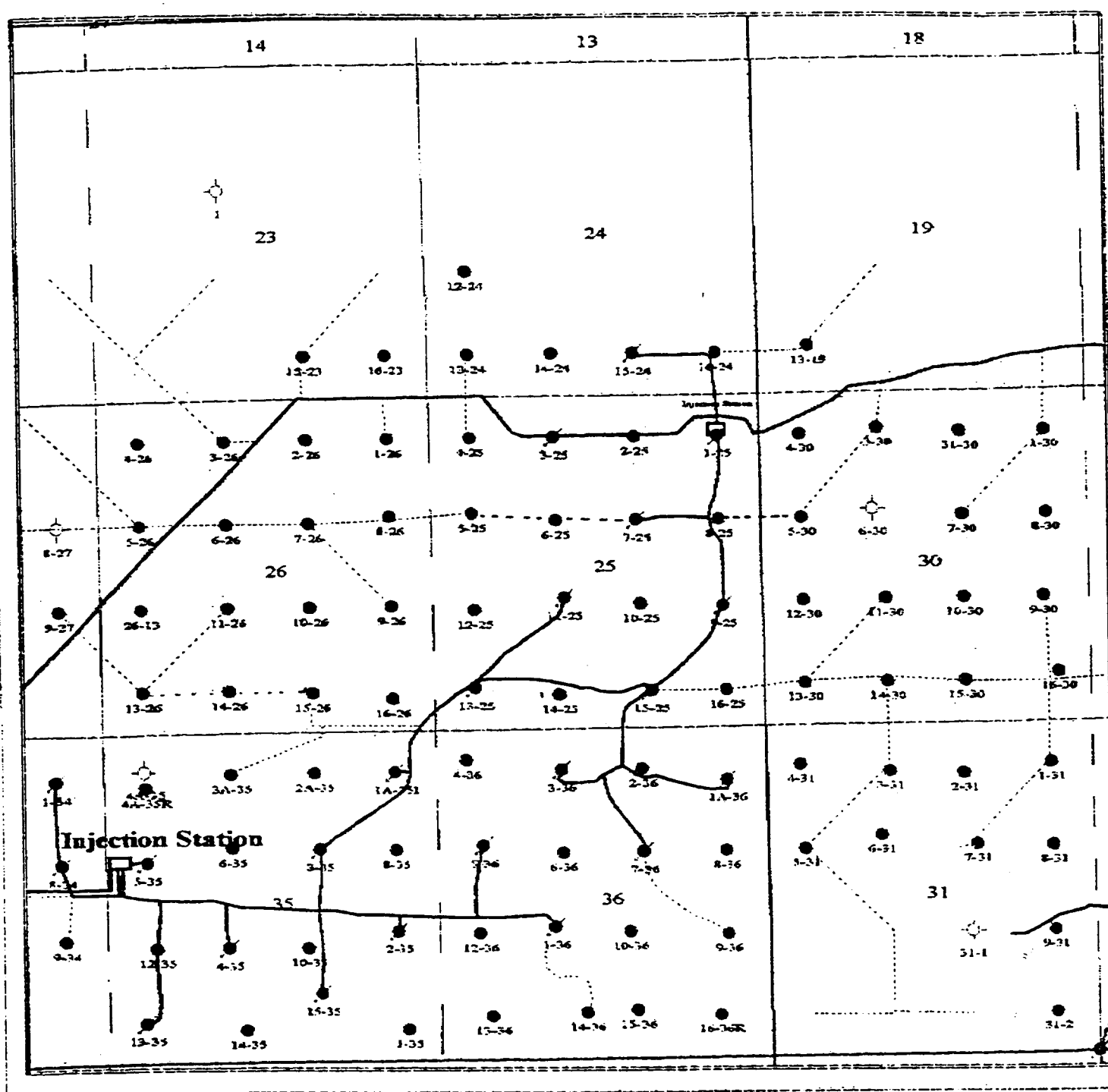


EXHIBIT "B"

Legend

- Existing Well
- ⊕ Existing Injector
- Water Line
- - - Proposed Water Line



Island Production Company
Island Injection Systems
Planning & Prepared Semi Well Fields
Date: 10/1/97

EXHIBIT "C"

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased by
1	Township 8 South, Range 17 East Section 18: Lots 3, 4 Section 19: Lots 1, 2, E/2NW/4 (Excluding Patent #880415) Section 29: All Section 30: Lots 1-14, E/2NE/4, E/2SW/4, SW/4SE/4 Section 31: Lots 1-5, W/2E/2, SE/4NE/4, E/2W/2, NE/4SE/4	UTU-74869 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
2.	Township 8 South, Range 16 East Section 24: S/2 Section 25: NE/4, E/2NW/4, S/2 Section 26: S/2SE/4	U-67170 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons

EXHIBIT "D"

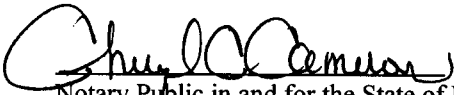
RE: Application for Approval of Class II Injection Well
Tar Sands Federal #5-30.

I certify that a copy of the application has been provided to all surface owners within a one-quarter mile radius of the proposed injection well.

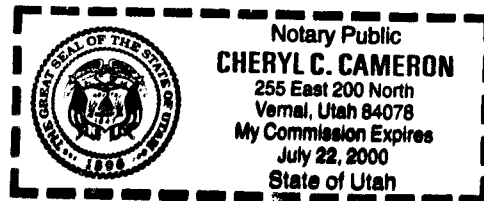


INLAND PRODUCTION COMPANY
Brad Mechem
District Manager

Sworn to and subscribed before me this 16 day of October 1997.



Notary Public in and for the State of Utah



Tar Sands Federal #5-30

Spud Date: 8/5/96
Put on Production: 9/19/96
GL: 5420' KB: 5433'

Initial Production: 69 BOPD,
102 MCFPD, 3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (294.78')
DEPTH LANDED: 292.18'(GL)
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts. (6269.79')
DEPTH LANDED: 6261.79'
HOLE SIZE: 7-7/8"
CEMENT DATA: 370 sk Hyfill mixed & 360 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT: 2-7/8"/6.5#/LS tbg.
NO. OF JOINTS: 199 jts.
TUBING ANCHOR: 5099'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5540'
SN LANDED AT: 5415'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 4- 1" scraped, 112-3/4" plain rods, 96-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 x 15" RHAC pump
STROKE LENGTH: 86"
PUMP SPEED, SPM: 7 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

9/11/96 5429'-5439' **Frac B-1 sand as follows:**
71,700# of 20/40 sand in 442 bbls of Boragel. Breakdown @ 2111 psi. Treated @ avg rate of 20.2 bpm w/avg press of 1500 psi. ISIP-2297 psi, 5-min 2000psi. Flowback on 12/64" ck for 3 hrs and died.

9/13/96 5256'-5262' **Frac D-3 sand as follows:**
71,700# of 20/40 sand in 442 bbls of Boragel. Breakdown @ 2111 psi. Treated @ avg rate of 20.2 bpm w/avg press of 1500 psi. ISIP-2297 psi, 5-min 2000 psi. Flowback on 12/64" ck. for 2 hrs and died.

9/16/96 5131'-5153' **Frac D-1 sand as follows:**
63,400# of 20/40 sand in 377 bbls o Boragel. Breakdown @ 780 psi. Treated @ avg rate of 18.3 bpm w/ avg press of 1650 psi. ISIP-2399 psi, 5-min 2390 psi. Flowback on 12/64" ck for 3 hrs and died.

PERFORATION RECORD

9/10/96	5429'-5439'	4 JSPF	40 holes
9/12/96	5256'-5262'	4 JSPF	24 holes
9/14/96	5131'-5133'	4 JSPF	8 holes
9/14/96	5141'-5148'	4 JSPF	28 holes
9/14/96	5150'-5153'	4 JSPF	12 holes



Inland Resources Inc.

Tar Sands Federal #5-30

631.4 FWL 1884.4 FNL

SWNW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31620; Lease #U-74869

Tar Sands Federal #5-30

Spud Date: 8/5/96
 Put on Injection: --/--/--
 GL: 5420' KB: 5433'

Initial Production: 69 BOPD,
 102 MCFPD, 3 BWPD

Proposed Injection Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (294.78')
 DEPTH LANDED: 292.18'(GL)
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Premium cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (6269.79')
 DEPTH LANDED: 6261.79'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 370 sk Hyfill mixed & 360 sxs thixotropic
 CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:
 NO. OF JOINTS:
 TUBING ANCHOR:
 SEATING NIPPLE:
 TOTAL STRING LENGTH:
 SN LANDED AT:

SUCKER RODS

POLISHED ROD:
 SUCKER RODS:
 TOTAL ROD STRING LENGTH:
 PUMP NUMBER:
 PUMP SIZE:
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

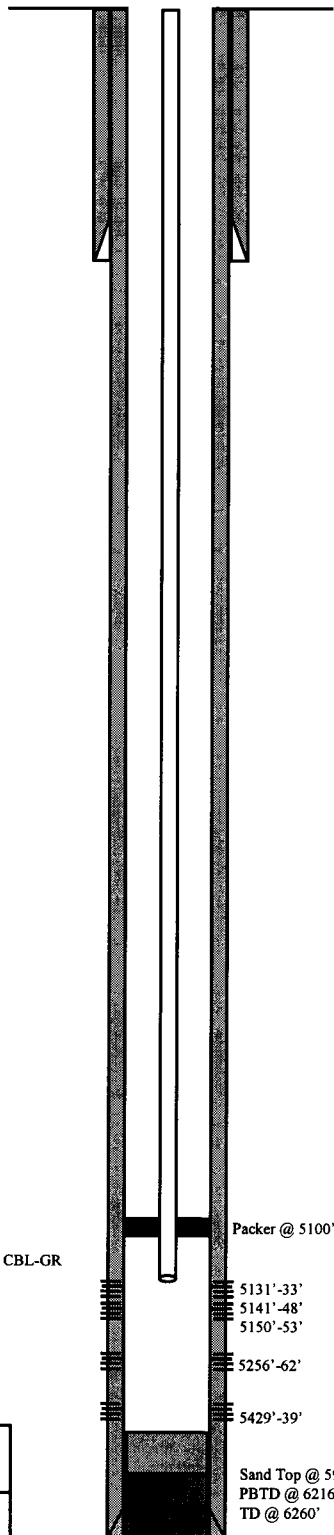
9/11/96 5429'-5439' **Frac B-1 sand as follows:**
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 Boragel. Breakdown @ 2111 psi. Treated
 @ avg rate of 20.2 bpm w/avg press of
 1500 psi. ISIP-2297 psi, 5-min 2000psi.
 Flowback on 12/64" ck for 3 hrs and
 died.

9/13/96 5256'-5262' **Frac D-3 sand as follows:**
 71,700# of 20/40 sand in 442 bbls of
 Boragel. Breakdown @ 2111 psi. Treated
 @ avg rate of 20.2 bpm w/avg press of
 1500 psi. ISIP-2297 psi, 5-min 2000 psi.
 Flowback on 12/64" ck for 2 hrs and
 died.

9/16/96 5131'-5153' **Frac D-1 sand as follows:**
 63,400# of 20/40 sand in 377 bbls o
 Boragel. Breakdown @ 780 psi. Treated
 @ avg rate of 18.3 bpm w/ avg press of
 1650 psi. ISIP-2399 psi, 5-min 2390 psi.
 Flowback on 12/64" ck for 3 hrs and
 died.

PERFORATION RECORD

9/10/96	5429'-5439'	4 JSPF	40 holes
9/12/96	5256'-5262'	4 JSPF	24 holes
9/14/96	5131'-5133'	4 JSPF	8 holes
9/14/96	5141'-5148'	4 JSPF	28 holes
9/14/96	5150'-5153'	4 JSPF	12 holes



Inland Resources Inc.

Tar Sands Federal #5-30

631.4 FWL 1884.4 FNL

SWNW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31620; Lease #U-74869

Tar Sands Federal #5-30

Spud Date: 8/5/96
 Plugged: --/--
 GL: 5420' KB: 5433'

Initial Production: 69 BOPD,
 102 MCFPD, 3 BWPD

Proposed Plugging Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (294.78')
 DEPTH LANDED: 292.18'(GL)
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 120 sxs Premium cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

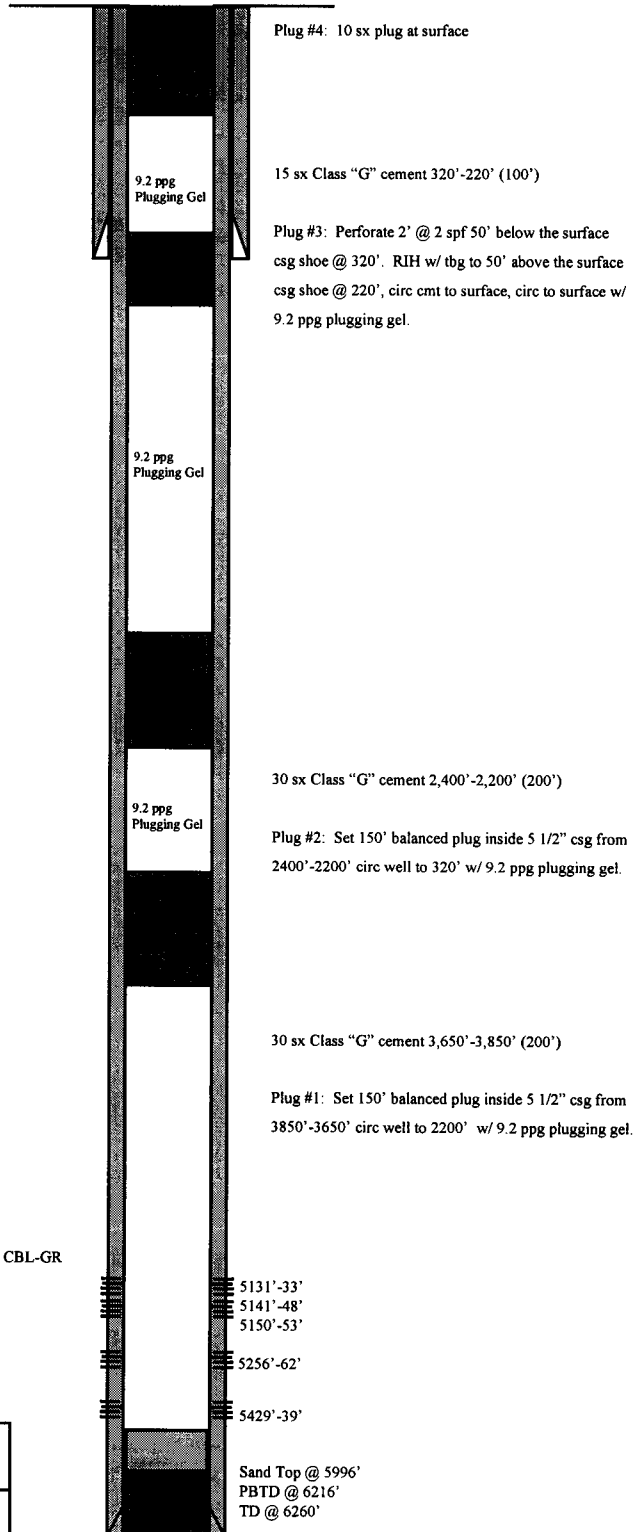
CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 146 jts. (6269.79')
 DEPTH LANDED: 6261.79'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 370 sk Hyfill mixed & 360 sxs thixotropic
 CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.:
 NO. OF JOINTS:
 TUBING ANCHOR:
 SEATING NIPPLE:
 TOTAL STRING LENGTH:
 SN LANDED AT:

SUCKER RODS

POLISHED ROD:
 SUCKER RODS:
 TOTAL ROD STRING LENGTH:
 PUMP NUMBER:
 PUMP SIZE:
 STROKE LENGTH:
 PUMP SPEED, SPM:
 LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



Inland Resources Inc.

Tar Sands Federal #5-30

631.4 FWL 1884.4 FNL

SWNW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31620; Lease #U-74869

Tar Sands Federal #4-30

Spud Date: 5/18/96
Put on Production: 6/26/96
GL: 5378' KB: 5391'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (287.64')
DEPTH LANDED: 285.69' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 148 jts (6255.57')
DEPTH LANDED: 6251.57'
HOLE SIZE: 7-7/8"
CEMENT DATA: 290 sk Hyfill mixed & 360 sxs thixotropic
CEMENT TOP AT: Surface per CBL

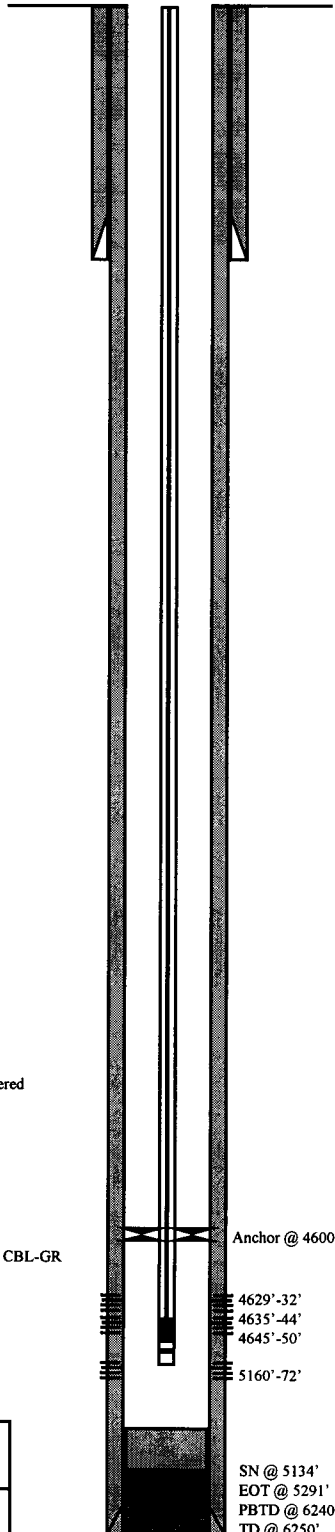
TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 147 jts
TUBING ANCHOR: 4600'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: ? (EOT @ 5291')
SN LANDED AT: 5134'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" scraped, 101-3/4" slick rods, 96-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 15 RHAC
STROKE LENGTH: 52"
PUMP SPEED, SPM: 8 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Wellbore Diagram



Initial Production: 224 BOPD,
140 MCFPD, 8 BWPD

FRAC JOB

6/19/96 5160'-5172' **Frac D-1 sand as follows:**
94,400# 20/40 sand in 470 bbls of Boragel. Breakdown @ 1613 psi, treated @ avg rate 18.3 bpm w/avg press of 1670 psi. ISIP 1947 psi, 5-min 1877 psi. Start flowback on 16/64" ck after 5 min. Flowed for 3 hrs and died.

6/21/96 4629'-4650' **Frac GB-4 sand as follows:**
95,400# of 20/40 sand in 491 bbls of Boragel. Breakdown @ 1777 psi. Treated @ avg rate 18.2 bpm w/avg press of 1470 psi. ISIP-2166 psi. 5-min 1637 psi. Flowback after 5 min on 16/64" ck. Flowed for 5-1/2 hrs & died.

PERFORATION RECORD

6/18/96	5160'-5172'	4 JSPF	48 holes
6/20/96	4629'-4632'	4 JSPF	12 holes
6/20/96	4635'-4644'	4 JSPF	36 holes
6/20/96	4645'-4650'	4 JSPF	20 holes



Inland Resources Inc.

Tar Sands Federal #4-30

559 FNL 643 FWL

NWNW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31621; Lease #U-74869

Tar Sands Federal #6-30

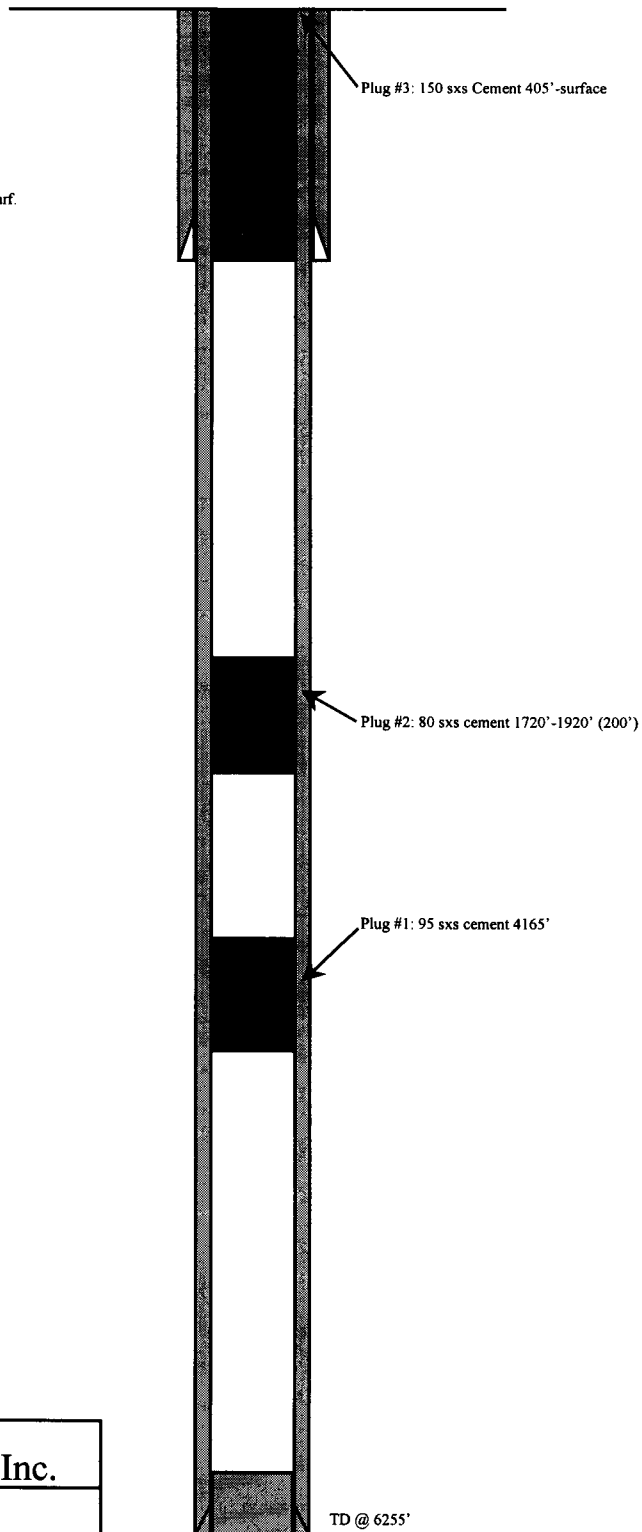
Spud Date: 12/7/96
Plugged: 12/12/96
GL: 5373' KB: 5386'

Initial Production: NONE

Plugging Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 293.94' GL
DEPTH LANDED: 293'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASINGTUBINGSUCKER RODS**Inland Resources Inc.****Tar Sands Federal #6-30**

1802 FWL 1871 FNL

SENW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31712; Lease #U-74869

UNICHEM

A Division of BJ Services

P.O. Box 217
Roosevelt, Utah 84066Office (801) 722-5066
Fax (801) 722-5727**WATER ANALYSIS REPORT**Company INLAND Address _____ Date 02-04-97Source TS 5-30 Date Sampled 01-30-97 Analysis No. _____

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>8.7</u>		
2. H ₂ S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.006</u>		
4. Dissolved Solids		<u>8,799</u>	
5. Alkalinity (CaCO ₃)		<u>20</u>	
6. Bicarbonate (HCO ₃)	HCO ₃	<u>1,100</u>	÷ 61 <u>18</u> HCO ₃
7. Chlorides (Cl)	Cl	<u>4,300</u>	÷ 35.5 <u>121</u> Cl
8. Sulfates (SO ₄)	SO ₄	<u>140</u>	÷ 48 <u>3</u> SO ₄
9. Calcium (Ca)	Ca	<u>4</u>	÷ 20 <u>0</u> Ca
10. Magnesium (Mg)	Mg	<u>5</u>	÷ 12.2 <u>0</u> Mg
11. Total Hardness (CaCO ₃)		<u>30</u>	
12. Total Iron (Fe)		<u>1.7</u>	
13. Manganese			
14. Barium (Qualitative)			
15. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

			Compound	Equlv. Wt.	X	Meg/l	=	Mg/l
<div> <div>()</div> <div>()</div> <div>142</div> </div>	Ca	←	HCO ₃	18				
	Mg	→	SO ₄	3				
	Na	→	Cl	121				
Saturation Values		Distilled Water 20°C						
CaCO ₃		13 Mg/l		Ca(HCO ₃) ₂	81.04			
CaSO ₄ · 2H ₂ O		2,090 Mg/l		CaSO ₄	68.07			
MgCO ₃		103 Mg/l		CaCl ₂	55.50			
				Mg(HCO ₃) ₂	73.17			
				MgSO ₄	60.19			
				MgCl ₂	47.62			
				NaHCO ₃	84.00	<u>18</u>		<u>1,512</u>
				Na ₂ SO ₄	71.03	<u>3</u>		<u>213</u>
				NaCl	58.46	<u>121</u>		<u>7,074</u>

REMARKS _____

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

02-05-97

WATER DESCRIPTION:	BOUNDARY INJECTIO	TS 5-30
P-ALK AS PPM CaCO ₃	0	20
M-ALK AS PPM CaCO ₃	400	1100
SULFATE AS PPM SO ₄	40	140
CHLORIDE AS PPM Cl	530	4300
HARDNESS AS PPM CaCO ₃	180	30
CALCIUM AS PPM CaCO ₃	64	4
MAGNESIUM AS PPM CaCO ₃	5	5
SODIUM AS PPM Na	19	3266
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1443	8799
TEMP (DEG-F)	100	100
SYSTEM pH	7.6	8.7

WATER COMPATIBILITY CALCULATIONS
 BOUNDARY INJECTIO AND TS 5-30
 CONDITIONS: TEMP.=100AND pH=8.2
 WATER ONE IS BOUNDARY INJECTIO

% OF WATER # 1	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.63	16	0	0	0
90	.62	14	0	0	0
80	.59	13	0	0	0
70	.55	11	0	0	0
60	.50	9	0	0	0
50	.43	7	0	0	0
40	.34	5	0	0	0
30	.23	3	0	0	0
20	9.50	0	0	0	0
10	-.13	0	0	0	0
0	-.54	0	0	0	0

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

02-05-97

WATER DESCRIPTION:	MONUMENT BUTTE IN	TS 5-30
P-ALK AS PPM CaCO ₃	0	20
M-ALK AS PPM CaCO ₃	450	1100
SULFATE AS PPM SO ₄	50	140
CHLORIDE AS PPM Cl	350	4300
HARDNESS AS PPM CaCO ₃	140	30
CALCIUM AS PPM CaCO ₃	40	4
MAGNESIUM AS PPM CaCO ₃	10	5
SODIUM AS PPM Na	345	3266
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	1227	8799
TEMP (DEG-F)	100	100
SYSTEM pH	7.2	8.7

WATER COMPATIBILITY CALCULATIONS
 MONUMENT BUTTE IN AND TS 5-30
 CONDITIONS: TEMP.=100AND pH=8
 WATER ONE IS MONUMENT BUTTE IN

% OF WATER # 1	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	.26	6	0	0	0
90	.24	5	0	0	0
80	.21	4	0	0	0
70	.16	3	0	0	0
60	.11	1	0	0	0
50	.05	0	0	0	0
40	-.04	0	0	0	0
30	-.14	0	0	0	0
20	-.27	0	0	0	0
10	-.45	0	0	0	0
0	-.74	0	0	0	0

AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND
 LOCATION:
 SYSTEM:

02-05-97

WATER DESCRIPTION: TS 5-30

	INPUT ANALYSIS	VALUES USED IN CALCULATIONS
P-ALK AS PPM CaCO ₃	20	20
M-ALK AS PPM CaCO ₃	1100	1100
SULFATE AS PPM SO ₄	140	140
CHLORIDE AS PPM Cl	4300	4300
HARDNESS AS PPM CaCO ₃	30	30
CALCIUM AS PPM CaCO ₃	4	4
MAGNESIUM AS PPM CaCO ₃	5	5
SODIUM AS PPM Na	3266	3266
BARIUM AS PPM Ba	0	
STRONTIUM AS PPM Sr	0	
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	8799	8369
TEMP (DEG-F)	100	
SYSTEM pH	8.7	
pH		8.7

RESULTS:

IONIC STRENGTH-MOLAL	.139
SPECIFIC GRAVITY (EST. VALUE)	1.01
TOTAL DISSOLVED SOLIDS-PPM (EST. VALUE)	8369

SCALING PREDICTIONS OVER A RANGE OF TEMPERATURES:

DEG-F	STIFF DAVIS CaCO ₃ INDEX	lbs/1000 BBL EXCESS CaCO ₃	mg/l BaSO ₄ IN EXCESS OF SATURATION	mg/l SrO ₄ IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
80	-.22	0	0	0	0
100	.01	0	0	0	0
120	.27	0	0	0	0
140	.56	1	0	0	0
160	.78	1	0	0	0
180	1.11	1	0	0	0
200	1.48	1	0	0	0



EXECUTIVE SUMMARY

On September 11, 1996 zone I of the **Tar Sands 5-30** well was stimulated with the following:

Formation-	B-1 Sand
Perfs-	5,429-5,439 Ft
Avg. Rate-	20.2 BPM
Avg. Surf. Press.-	1,500 psi
Total Sand-	71,700 LB (20/40 Ottawa)
Total Fluid-	441.7 BBL
Max. Concentration-	10 PPG

The job went as per design with no fluid, equipment or electrical problems. The leak-off appeared to be greater than seen in this area for the B-1 Sand which would indicate better permeability. A real-time 3-D fracturing model (Fracpro) was run during the job and a good pressure match was obtained and predicted the following:

Propped Height.-	187 ft.
Propped Length-	93 ft.
Frac Grad.-	0.51 psi/ft
Conductivity-	4000 md-ft

Overview of job showed good frac with above average permeability and porosity. Net pressure increased 800 psi during the job which would indicate excellent proppant placement in fracture. With the above average permeability and good proppant placement, the zone should be above average. If you have any questions about the job or any thing else please call me at 1(800)874-2550.

Thank You,

A handwritten signature in black ink, appearing to read 'Jim Oriet'.

Jim Oriet
Operations Engineer

HALLIBURTON

Well No. 5-30 Lease TAR SANDS

Job Id 002850100556

ENERGY SERVICES

Customer INLAND PRODUCTION COMPANY

Date 09-11-96

JOB SUMMARY

Job Type FRAC JOBS

Operator GUIN CURTIS MOR

Job Information

CONTRACTOR: BASIN WELL SERVICE
 JOB PURPOSE: 08 FRAC JOBS
 JOB DESCRIPTION: BORAGEL G 35-30 195
 PERFORMED THRU:
 CALLED OUT: 09-11-96 05:00
 ON LOCATION: 09-11-96 14:15
 STARTED: 09-11-96 15:57
 COMPLETED: 09-11-96 16:24

Well Information

OWNER NAME: INLAND PRODUCTION COMPANY
 WELL TYPE: 001 Oil WELL CATEGORY: 001 Development
 MUD TYPE: MUD WEIGHT:
 BOT HOLE TEMP: 145 BOT HOLE PSI: 2950
 TOTAL DEPTH: 6000 PBTD: 5600

Pressures in PSI

AVERAGE: 1500 MAXIMUM: 2400
 BREAKDOWN: 2111
 FLUSH: 2200 FRAC GRADIENT: .85
 ISIP: 2297 5-MIN:
 10-MIN: 15-MIN:

Volumes

PREPAD: BBL PREPAD TYPE:
 LOAD & BKDN: 0.00 GAL TREATMENT: 10707 GAL
 FLUSH: 5366 GAL
 PAD: 2500 GAL
 GAS ASSIST: TON TYPE: AT: SC
 F/BBL
 FOAM QUALITY: % TOTAL VOL FOAM 0.00 GAL
 TOTAL VOLUME: 18552 GAL

Hydraulic Horsepower

ORDERED: 3000 AVAILABLE: 3000 USED: 743

Average Rates in BPM

TREATING: 20.2 FLUSH: 20.9 OVERALL: 20.2



EXECUTIVE SUMMARY

On September 16, 1996 zone III of the **Tar Sands 5-30** well was stimulated with the following:

Formation-	D-1 Sand
Perfs-	5,131-5,153 Ft
Avg. Rate-	18.3 BPM
Avg. Surf. Press.-	1,650 psi
Total Sand-	63,400 LB (20/40 Ottawa)
Total Fluid-	421.6
Max. Concentration-	10 PPG

The job went as per design with no fluid, equipment or electrical problems. The leak-off appeared to be greater than seen in this area for the D-1 Sand which would indicate better permeability. A real-time 3-D fracturing model (Fracpro) was run during the job and a good pressure match was obtained and predicted the following:

Propped Height.-	194 ft.
Propped Length-	98 ft.
Frac Grad.-	0.57 psi/ft
Conductivity-	3000 md-ft

Overview of job showed good frac with above average permeability and porosity. Net pressure increased 1,200 psi during the job which would indicate excellent proppant placement in fracture. With the above average permeability and good proppant placement, the zone should be above average. Closure was observed shortly after shutdown. If you have any questions about the job or any thing else please call me at 1(800)874-2550.

Thank You,

A handwritten signature in black ink, appearing to read 'Chip Koerner'.

Chip Koerner
Wellsite II Engineer

HALLIBURTON	Well No. 5-30	Lease TAR SANDS FEDERAL	Job Id 002850100561
ENERGY SERVICES	Customer INLAND PRODUCTION COMPANY	Date 09-16-96	
JOB SUMMARY	Job Type FRAC JOBS	Operator CURTIS/GUINN	

Job Information

CONTRACTOR: BASIN WELL
 JOB PURPOSE: 08 FRAC JOBS
 JOB DESCRIPTION: BORAGEL G3530 195
 PERFORMED THRU:
 CALLED OUT: 09-16-96 04:00
 ON LOCATION: 09-16-96 06:30
 STARTED: 09-16-96 10:06
 COMPLETED: 09-16-96 10:52

Well Information

OWNER NAME:	INLAND PRODUCTION COMPANY		
WELL TYPE:	001 Oil	WELL CATEGORY:	001 Development
MUD TYPE:		MUD WEIGHT:	
BOT HOLE TEMP:	135	BOT HOLE PSI:	2800
TOTAL DEPTH:	5180	PBTD:	6216

Pressures in PSI

AVERAGE:	1650	MAXIMUM:	2700
BREAKDOWN:	780		
FLUSH:	2370	FRAC GRADIENT:	.89
ISIP:	2399	5-MIN:	2390
10-MIN:		15-MIN:	

Volumes

PREPAD:		GAL	PREPAD TYPE:		
LOAD & BKDN:	3500	GAL	TREATMENT:	8265	GAL
FLUSH:	5060	GAL			
PAD:	2500	0.00 GAL			
GAS ASSIST:		TON	TYPE:		AT: SC
F/BBL					
FOAM QUALITY:		%	TOTAL VOL FOAM	0.00	GAL
TOTAL VOLUME:	15825	GAL			

Hydraulic Horsepower

ORDERED:	3000	AVAILABLE:	3000	USED:	740
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Average Rates in BPM

TREATING:	18.3	FLUSH:	18.3	OVERALL:	18.3
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EXECUTIVE SUMMARY

On September 13, 1996 zone II of the **Tar Sands 5-30** well was stimulated with the following:

Formation-	D-3 Sand
Perfs-	5,256-5,262 Ft
Avg. Rate-	20.7 BPM
Avg. Surf. Press.-	1,900 psi
Total Sand-	54,300 LB (20/40 Ottawa)
Total Fluid-	405.2 BBL
Max. Concentration-	10 PPG

The job went as per design with no fluid, equipment or electrical problems. The leak-off appeared to be greater than seen in this area for the D-3 Sand which would indicate better permeability. A real-time 3-D fracturing model (Fracpro) was run during the job and a good pressure match was obtained and predicted the following:

Propped Height.-	205 ft.
Propped Length-	106 ft.
Frac Grad.-	0.57 psi/ft
Conductivity-	3000 md-ft

Overview of job showed good frac with above average permeability and porosity. Net pressure increased 700 psi during the job which would indicate excellent proppant placement in fracture. With the above average permeability and good proppant placement, the zone should be above average. If you have any questions about the job or any thing else please call me at 1(800)874-2550.

Thank You,

A handwritten signature in black ink, appearing to read 'Chip Koerner'.

Chip Koerner
Wellsite II Engineer

HALLIBURTON	Well No. 5-33	Lease TAR SANDS	Job Id 0028501005
ENERGY SERVICES	Customer INLAND PRODUCTION COMPANY		Date 09-13-96
JOB SUMMARY	Job Type FRAC JOBS		Operator CURTIS

Job Information

CONTRACTOR: BASIN WELL
JOB PURPOSE: 08 FRAC JOBS
JOB DESCRIPTION: BORAGEL3530195
PERFORMED THRU:
CALLED OUT: 09-13-96 03:00
ON LOCATION: 09-13-96 05:30
STARTED: 09-13-96
COMPLETED: 09-13-96

Well Information

OWNER NAME:	INLAND PRODUCTION COMPANY		
WELL TYPE:	001 Oil	WELL CATEGORY:	001 Development
MUD TYPE:		MUD WEIGHT:	
BOT HOLE TEMP:		BOT HOLE PSI:	
TOTAL DEPTH:	6225	PBTD:	

Pressures in PSI

FRAC GRADIENT:	2400	MAXIMUM:	2100
BLEEDDOWN:	1833		
DISPLACEMENT:	1990	FRAC GRADIENT:	0.83
ISIP:	2098	5-MIN:	1818
10-MIN:	1625	15-MIN:	1505

Volumes

PREPAD:		BBL	PREPAD TYPE:		
LOAD & BKDN:		BBL	TREATMENT:	185.45	BBL
DISPLACEMENT:	123.36	BBL			
PAD:	47.62	BBL			
GAS ASSIST:		TON	TYPE:		AT:
FOAM QUALITY:		%	TOTAL VOL FOAM		BBL
TOTAL VOLUME:	356.43	BBL			SC

Hydraulic Horsepower

ORDERED:	3000	AVAILABLE:	3000	USED:	96875
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Average Rates in BPM

TREATING:	20.00	DISPL:	15.00	OVERALL:	20.00
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DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production company

Unit: Sand Wash

Location: Secs. 19,19, 30 & 31, T.8S., R.17 E.

Ownership Issues: The Sand Wash Unit water flood project will be heard before the Board of Oil, Gas and Mining on October 22, 1997 (Cause No. 229-2). Inland proposes to create a unit and initiate secondary recovery operations to increase ultimate recovery of oil. Selected intervals in the Green River Formation will be perforated for water injection. The surface within the unit area and within a one-half mile around the unit is owned by the Federal Government (BLM) and the State School Trust(SITLA). There are numerous interest owners in the unit and on surrounding leases. Inland is operator of all but two wells in the proposed unit. Wildrose Resources is the operator of the two wells. Inland will be the designated unit operator.

Well Integrity: Existing and proposed injection wells generally have surface casing set at approximately 300 feet and are cemented to surface. Production casing is generally set between 6000 feet and 6300 feet. Cement tops on production casing on existing wells varies and range from 3000 feet below surface to surface. It is the practice of the operator to use sufficient quantities of cement on newly drilled wells to bring cement to surface. A review of bond logs on existing wells shows concurrence with reported cement tops. On newly drilled wells cement tops are sometimes difficult to determine because the operator has been using a highlift light cement as a lead cement. This cement has low compressive strength and does not show up as good bond on a CBL. Cement tops at 3000 feet and above are adequate to insure mechanical integrity considering the injection zones are generally at 4000 feet and below. A 2 7/8 inch or 2 3/8 inch tubing shall be utilized. A retrievable packer will be placed approximately 50 feet above the uppermost perforation. A casing test will be performed at the time of conversion and a casing\tubing pressure test will be conducted prior to commencing injection. Subsequent pressure tests will be conducted at least every five years or any time a packer is pulled or there has been a loss of mechanical integrity.

Ground Water Protection: The base of moderately saline water is at a depth of approximately 1300 feet to 2000 feet in the Sand Wash Unit area. These water zones are found in sands in the Uinta Formation and upper sands of the Green River Formation are generally discontinuous and not subject to direct recharge. Aquifers with high quality water are rarely encountered and are of limited extent. Confining intervals above and below the proposed injection zone consists of tight lacustrine shales and limestones. An analysis was submitted for the water present in the injection zone. The total dissolved solids content was over 11,000 mg/l. The injection zone is not classified as an underground source of drinking water (USDW). The water to be injected comes from the Johnson Water Company and has a TDS of approximately 900 mg/l. Injection of this water into the proposed injection zone will not degrade any aquifers.

Producing wells in the area of review generally have adequate casing and cement to protect and isolate water of differing quality. At the time an application is received for a proposed injection well, a review of all wells in a one-half mile radius will be conducted to determine if corrective action is needed .

Oil/Gas & Other Mineral Resources Protection: All correlative rights and mineral interests issues will be addressed at the time the waterflood unit comes before the board.

Bonding: Wells within the unit are on federal mineral and surface and are bonded with the BLM.

Actions Taken and Further Approvals Needed: A notice of agency action was published in both the Salt Lake Tribune and the Uinta Basin Standard. The notice addressed the request to unitize the area initiate secondary recovery operations and requested approval to convert the 13-19, 13-30 and 5-30 wells to injection. Applications for all of the above wells have been received. BLM approval of the wells will be required under applicable onshore orders. A final permit will be issued on wells after all conditions of approval and stipulations are met as outlined on the approval to convert letter. An individual statement of basis addendum will be prepared for each well subsequently approved for conversion.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): D. Jarvis Date: 10/15/97

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT
STATEMENT OF BASIS**

Applicant: Inland Production Company

Well: Tar Sands Fed. 5-30

Location: 30/8S/17E

API: 43-013-31620

A complete Statement of Basis was prepared for the Sand Wash Unit project. All of the below issues were addressed in detail. This statement addresses only well specific issues.

Ownership Issues: The proposed well is located on BLM land. All lands in the one-half mile radius of the well are BLM. Inland has submitted an affidavit stating that all owners and interest owners have been notified of there intent to unitize the area and initiate a secondary recovery project.

Well Integrity: The proposed well has surface casing set at 292 feet and is cemented to surface. A 5 ½ inch production casing is set at 6261 feet and has a cement top at the surface. A cement bond log verifies adequate bond well above the injection zone. A 2 7/8 inch tubing with a packer will be set approximately 50 feet above the injection zone. A mechanical integrity test will be run on the well prior to injection. There is 1 producing well and 1 plugged and abandoned well in the area of review. The producing well has adequate casing and cement and the plugged well has adequate plugs. No corrective action will be required.

Ground Water Protection: The base of moderately saline water is at a depth of approximately 1300 feet. Injection shall be limited to the interval between 3880 feet and 6150 feet in the Green River Formation (actual zone is 5131-5439). Information submitted by Inland indicates that the fracture gradient for the 5-30 well is .83 psig/ft. The resulting fracture pressure is 2087 psig. The requested maximum pressure was 2087 psi. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

Oil/Gas& Other Mineral Resources Protection: Correlative rights and other interests will be addressed at the hearing on October 22, 1997. Previous reviews in the area indicate that all other interests have been protected.

Tar Sands 5-30
Page 2

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action was published in both the Salt Lake Tribune and the Uinta Basin Standard. Approval for this well was requested as part of the approval for the project. Testimony will be given at the hearing regarding correlative rights and other legal issues. If there are no objections at the hearing it is recommended that the well be approved as part of the project. Conditions of approval as set forth are: A casing tubing pressure test be run prior to injection, maximum surface pressure limited to 2087 psi., rate will be limited by pressure and Inland will adhere to all operational procedures as written in there application for approval to convert the well to a class II injection well.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): D.Jarvis Date: 10/15/97

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Inland Production Company
ADDRESS P.O. Box 790233 Vernal, UT 84079

Report 20 1997

Well name and number: <u>P. Tar Sands Federal #5-30</u>		REVISED
Field or Unit name: <u>Sand Wash Unit # 441000</u>		Lease no. <u>U-74869</u>
Well location: QQ <u>SWNW</u> section <u>30</u> township <u>8S</u> range <u>17E</u> county <u>Duchesne</u>		
Is this application for expansion of an existing project? . Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Will the proposed well be used for:		
Enhanced Recovery? _ _ _ Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Disposal? _ _ _ _ _ Yes <input type="checkbox"/> No <input type="checkbox"/>		
Storage? _ _ _ _ _ Yes <input type="checkbox"/> No <input type="checkbox"/>		
Is this application for a new well to be drilled? _ _ _ _ _ Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
If this application is for an existing well, has a casing test been performed on the well? _ _ _ _ _ Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Date of test: <u>9/9/96</u>		
API number: <u>43-013-31620</u>		
Proposed injection interval from <u>5131'</u> to <u>5439'</u>		
Proposed maximum injection: rate <u>500 BPD</u> pressure <u>2264#</u> ²⁰⁸⁷ psig		
Proposed injection zone contains <input type="checkbox"/> oil, <input type="checkbox"/> gas, and/or <input type="checkbox"/> fresh water within 1/2 mile of the well.		
IMPORTANT: Additional information as required by R615-5-2 should accompany this form.		
List of Attachments: <u>Exhibits "A" through "G-4"</u>		
I certify that this report is true and complete to the best of my knowledge.		
Name <u>Cheryl Cameron</u>		Signature <u>Cheryl Cameron</u>
Title <u>Regulatory Compliance Specialist</u>		Date <u>10/17/97</u>
Phone No. <u>(801) 789-1866</u>		
(State use only)		
Application approved by _____		Title _____
Approval Date _____		

Comments:

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE
AND ENHANCED RECOVERY WELLS
SECTION V - RULE 615-5-2**

- 1) Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
- 2) The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:

- 2.1. *A plat showing the location of the injection well, all abandoned or active wells within a one-quarter mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-quarter mile radius of the proposed injection well;*

Answer: Reference Exhibits "A" and "C".

- 2.2. *Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity;*

Answer: All logs are on file with the Utah Division of Oil Gas & Mining.

- 2.3. *A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented;*

Answer: A copy of the cement bond log is on file with the Utah Division of Oil, Gas & Mining.

- 2.4. *Copies of log already on file with the Division should be referenced, but need not to be refiled.*

Answer: All copies of logs are on file with the Utah Division of Oil, Gas & Mining.

- 2.5. *A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well;*

Answer: The casing program is 8-5/8" 24# J-55 surface casing run to 292.18' GL, and the 5 1/2" casing from surface to 6261.79' KB. A casing integrity test will be conducted at time of conversion. Reference Exhibits "E-1" through "E-5".

- 2.6. *A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.*

Answer: Culinary water from Johnson water line at our pre approved Monument Butte supply line. Reference Exhibit "B". Estimated Injection Rate:

Average	300 BPD
Maximum	500 BPD

- 2.7. *Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.*

Answer: A standard laboratory analysis of (1) the fluid to be injected (Johnson water), (2)

the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids. Reference Exhibits "F-1" through "F-4"

- 2.8. *The proposed average and maximum injection pressures;*

Answer: Proposed average and maximum injection pressures;

The proposed average and maximum injection pressure for the Tar Sands Federal #5-30 averages approximately .85 psig/ft.

- 2.9. *Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata;*

Answer: The frac gradient for the Tar Sands Federal #5-30, for proposed zones (5131' - 5439') averages approximately .85 psig/ft. The maximum injection pressures will be kept below this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. Reference Exhibit "G-4."

Proposed Maximum Injection Pressure:

$$pm = [.85 - (.433)(1.006)] \ 5131$$

$$pm = 2264\#$$

2087

- 2.10. *Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent;*

Answer: In the Tar Sands Federal #5-30, the injection zone is in the B-1, D-3, and the D-1 sands (5131'-5439'), and contained within the Douglas Creek member of the Green River Formation. The reservoir is a very fine grain sandstone with minor interbedded shale streaks. The estimated average porosity is 14%; and the estimated fracture pressure is 2264# psi.

- 2.11. *A review of the mechanical condition of each well within a one-quarter mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals;*

Answer: Exhibits "E-1" through "E-5".

The injection system will be equipped with high and low pressure shut-down devices which will automatically shut-in injection waters if a system blockage or leakage occurs. One way check valves will also insure proper flow management. Relief valves will also be utilized for high pressure relief.

- 2.12. *An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-quarter mile radius of the proposed injection well;*

Answer: Exhibit "D".

- 2.13. *Any other additional information that the Board or Division may determine is necessary to adequately review the application.*

Answer: Inland Production Company will await review of this application and additional information will be submitted if required.

- 2.7. *A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily;*

Answer: Culinary water from Johnson Water District supply line.

Estimated Injection Rate:	Estimated Average	300 BPD
	Estimated Maximum	500 BPD

- 2.8. *A list of all operators or owners and surface owners within a one-quarter mile radius of the proposed project;*

Answer: Reference Exhibit "C".

- 2.9. *An affidavit certifying that said operators or owners and surface owners within a one-quarter mile radius have been provided a copy of the petition for injection;*

Answer: Reference Exhibit "D".

- 2.10. *Any additional information the Board may determine is necessary to adequately review the petition.*

Answer: Inland will supply any additional information requested by the Utah Division of Oil Gas & Mining Board.

- 4.0. *Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the board after notice and hearing or by administrative approval.*

Answer: This proposed injection well is within the Sand Wash Unit , in the Monument Butte Field and the request is for administrative approval.

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**Sand Wash Unit
Frac Information**

Calculated Fracture Gradient & Maximum Injection Pressure

Well Name	Frac Interval (feet)		Avg. Depth (feet)	Avg. Pressure (psi)	Avg. Rate (bpm)	ISIP (psi)	Actual Frac Gradient (psi/ft)	Calc'd Maximum Surface Pressure (psi)	
	Top	Bottom							
Tar Sands Fed #1-30	4,658	4,687	4,673	2,200	24.0	2,414	0.95	2,408	0.95
	5,121	5,197	5,159	1,550	28.2	2,005	0.82	1,982	0.82
	5,299	5,432	5,366	2,230	36.0	2,471	0.89	2,422	0.88
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #1-30								1,982	#DIV/0!
Tar Sands Fed #3-30	5,131	5,204	5,168	1,600	23.0	1,903	0.80	1,883	0.80
	5,735	5,747	5,741	1,950	25.5	1,927	0.77	1,933	0.77
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #3-30								1,883	#DIV/0!
Tar Sands Fed #5-30	5,131	5,153	5,142	1,650	18.3	2,399	0.89	2,345	0.89
	5,256	5,262	5,259	2,400	20.0	2,098	0.83	2,087	0.83
	5,429	5,439	5,434	1,500	20.2	2,297	0.85	2,264	0.85
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #5-30								2,087	#DIV/0!
Tar Sands Fed #7-30	5,786	5,877	5,832	1,550	35.3	1,983	0.77	1,950	0.77
	5,939	6,037	5,988	2,480	26.0	2,390	0.83	2,358	0.83
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #7-30								1,950	#DIV/0!
Tar Sands Fed #9-30	4,995	5,012	5,004	1,500	24.4	2,264	0.88	2,233	0.88
	5,455	5,467	5,461	2,000	24.0	2,062	0.81	2,057	0.81
	5,645	5,740	5,691	1,700	38.5	2,277	0.88	2,523	0.88
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #9-30								2,057	#DIV/0!
Tar Sands Fed #11-30	4,535	4,563	4,549	2,300	26.2	3,309	1.16	3,297	1.16
	5,057	5,064	5,061	1,800	20.5	2,365	0.90	2,362	0.90
	5,302	5,337	5,320	2,200	20.1	2,295	0.86	2,264	0.86
	5,492	5,504	5,498	2,180	22.1	2,497	0.88	2,455	0.88
	5,909	5,928	5,919	1,450	25.2	1,924	0.75	1,873	0.75
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #11-30								1,873	#DIV/0!
Tar Sands Fed #13-30	4,940	5,023	4,982	2,400	26.4	2,938	1.02	2,900	1.02
	5,844	6,016	5,930	2,000	28.0	2,497	0.85	2,437	0.84
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #13-30								2,437	#DIV/0!
Tar Sands Fed #15-30	5,437	5,451	5,444	2,012	25.3	2,501	0.89	2,485	0.89
	5,613	5,851	5,732	1,900	36.3	2,101	0.80	2,060	0.79
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #15-30								2,060	#DIV/0!
Tar Sands Fed #1-31	5,033	5,054	5,044	1,600	21.0	3,916	1.21	3,911	1.21
	5,276	5,384	5,330	1,600	30.7	1,941	0.80	1,936	0.80
	5,465	5,621	5,543	1,700	40.0	1,661	0.74	1,678	0.74
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #1-31								1,678	#DIV/0!
Tar Sands Fed #3-31	4,964	5,070	5,017	2,270	27.5	3,261	1.08	3,218	1.07
	5,429	5,562	5,496	1,500	30.5	1,851	0.77	1,819	0.76
	5,845	5,974	5,910	1,300	31.4	1,912	0.75	1,881	0.75
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #3-31								1,819	#DIV/0!
Tar Sands Fed #5-31	4,630	4,644	4,637	2,250	22.5	3,553	1.20	3,551	1.20
	5,075	5,087	5,081	2,400	27.0	3,264	1.07	3,233	1.07
	5,443	5,474	5,459	1,750	24.7	2,143	0.85	2,270	0.85
	5,756	5,766	5,761	2,250	26.5	2,353	0.84	2,343	0.84
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #5-31								2,270	#DIV/0!
Tar Sands Fed #7-31	4,599	4,606	4,603	2,231	22.2	3,206	1.13	3,206	1.13
	4,884	5,046	4,965	2,200	36.0	3,204	1.08	3,160	1.07
	5,316	5,418	5,367	1,550	45.0	1,958	0.79	1,898	0.79
	5,833	5,942	5,888	1,300	26.5	1,835	1.00	3,307	0.99
Proposed Maximum Surface Injection Pressure for Tar Sands Fed #7-31								1,898	

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - 0.4334) \times \text{Depth of Top Perf}$
 where pressure gradient for the injection water is .4334 psi/ft
 $\text{Frac Gradient} = (\text{ISIP} + (.433 \times \text{Avg Depth})) / \text{Avg Depth}$

Monument Butte Federal #1-25

Spud Date: 4/17/96
Put on Production: 5/10/96
GL: 5398' KB: 5411'

Initial Production: 354 BOPD,
458 MCFPD, 8 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 304'
DEPTH LANDED: 303'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts.
DEPTH LANDED: 6246.44'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sk Hyfill mixed & 355 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 199 jts
TUBING ANCHOR: 5864'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: ? (EOT @ 5999')
SN LANDED AT: ?

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" scraped, 132-3/4" slick rods, 95-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2" x 1-1/2" x 10 x 15 RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 7 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

4/30/96 6091'-6184' **Frac CP-4 and CP-2 sand as follows:**
83,400# 20/40 sd in 523 bbls Boragel.
Breakdown @ 1801 psi. ISIP 1760 psi, 5-min 1631 psi. Flowback after 5 min SI on 16/64" ck @ 1.6 bpm.

5/2/96 5459'-5468' **Frac B-2 sand as follows:**
50,000# of 20/40 sd in 353 bbls Boragel.
Breakdown @ 1008 psi. Treated @ avg rate 16.8 bpm, avg press 1450#. ISIP-2256 psi, 5-min 2042 psi. Flowback on 16/64" ck @ 1 bpm.

5/4/96 5317'-5327' **Frac C sand as follows:**
57,400# of 20/40 sd in 383 bbls of Boragel. Frmtn broke @ 1797#. Avg treating press 1450# @ 162 bpm. ISIP-1820 psi, 5-min 1698 psi. Start flowback on 16/64" ck @ 1.5 bpm.

5/7/96 5151'-5160' **Frac D-1 sand as follows:**
56,400# of 20/40 sd in 379 bbls of Boragel. Breakdown @ 1794 psi, treat @ avg rate 18.5, avg press 1300 psi. ISIP-1843 psi, 5-min 1775 psi. Start flowback on 16/64" ck @ 1.7 bpm, flowed for 1-1/4 hours & died.

PERFORATION RECORD

4/25/96	6179'-6184'	4 JSPF	? holes
4/25/96	6091'-6094'	4 JSPF	? holes
4/25/96	6097'-6105'	4 JSPF	? holes
5/1/96	5459'-5468'	4 JSPF	36 holes
5/3/96	5317'-5327'	4 JSPF	40 holes
5/6/96	5151'-5160'	4 JSPF	36 holes
5/6/96	5162'-5169'	4 JSPF	28 holes



Inland Resources Inc.

Monument Butte Federal #1-25

660 FNL 660 FEL

NENE Section 25-T8S-R16E

Duchesne Co, Utah

API #43-013-31608; Lease #U-67170

Monument Butte Federal #1-25

Spud Date: 4/17/96
Plugged: --/--/--
GL: 5398' KB: 5411'

Initial Production: 354 BOPD,
458 MCFPD, 8 BWPD

Plugging Diagram

SURFACE CASING

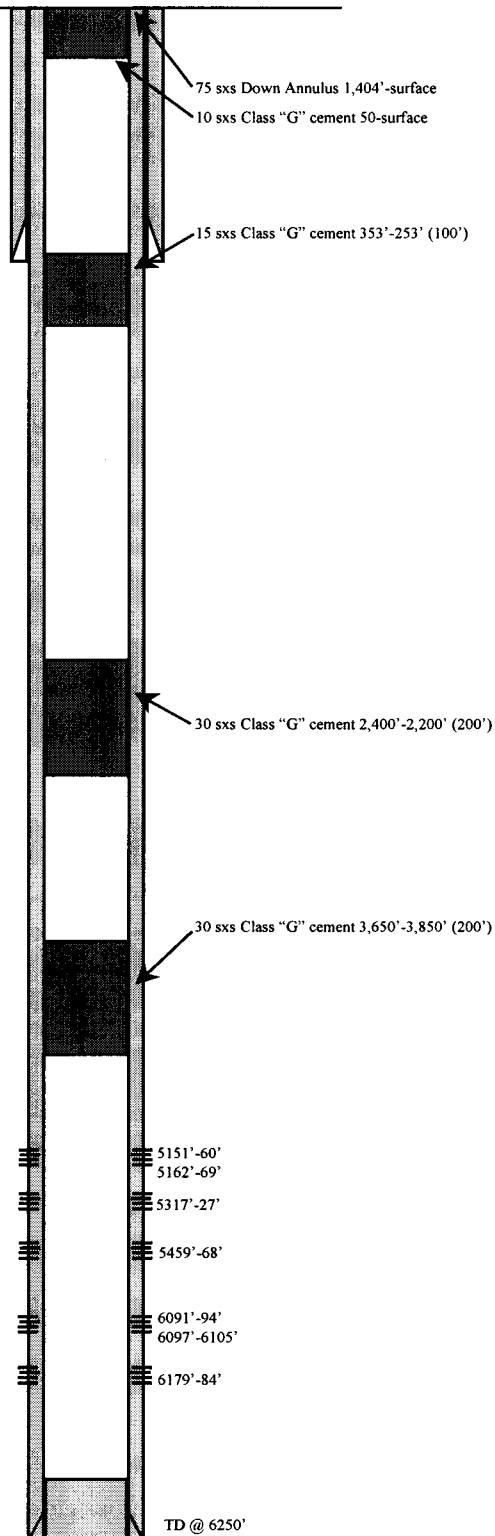
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 304'
DEPTH LANDED: 303'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts.
DEPTH LANDED: 6246.44'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sk Hyfill mixed & 355 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SUCKER RODS



Inland Resources Inc.

Monument Butte Federal #1-25

660 FNL 660 FEL

NENE Section 25-T8S-R16E

Duchesne Co, Utah

API #43-013-31608; Lease #U-67170

Monument Butte Federal #1-25

Spud Date: 4/17/96
Put on Injection: 5/28/97
GL: 5398' KB: 5411'

Initial Production: ? BOPD, ?
MCFPD, ? BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 304'
DEPTH LANDED: 303'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts
DEPTH LANDED: 6246.44'
HOLE SIZE: 7-7/8"
CEMENT DATA: 275 sk Hyfill mixed & 355 sxs thixotropic
CEMENT TOP AT: Surface per CBL

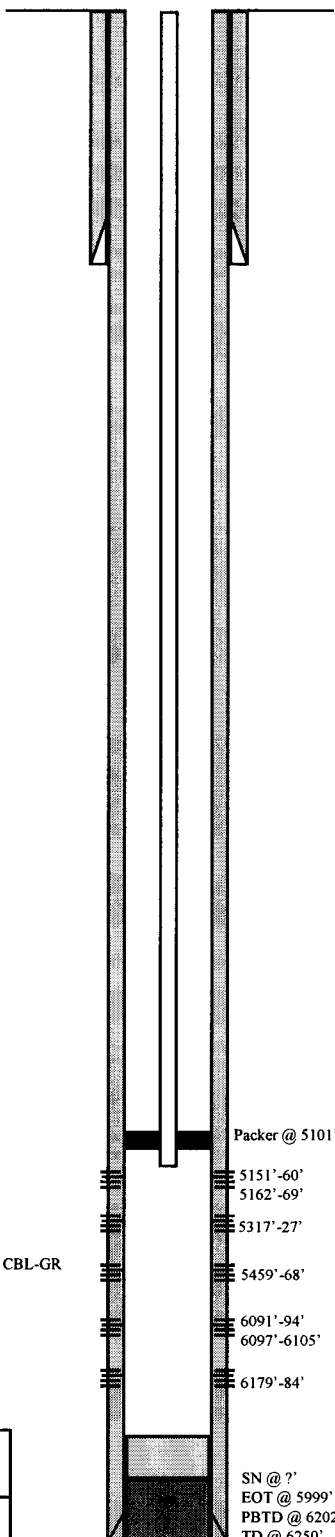
TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / ?#
NO. OF JOINTS: 162 jts
PACKER : ?
SEATING NIPPLE: ?
TOTAL STRING LENGTH: ?
SN LANDED AT: ?

SUCKER RODS

POLISHED ROD:
SUCKER RODS:
TOTAL ROD STRING LENGTH:
PUMP NUMBER:
PUMP SIZE:
STROKE LENGTH:
PUMP SPEED, SPM:
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

Injector Wellbore Diagram



FRAC JOB

4/30/96 6091'-6184' **Frac CP-4 and CP-2 sand as follows:**
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Breakdown @ 1801 psi. ISIP 1760 psi, 5-min 1631 psi. Flowback after 5 min SI on 16/64" ck @ 1.6 bpm.

5/2/96 5459'-5468' **Frac B-2 sand as follows:**
50,000# of 20/40 sd in 353 bbls Boragel.
Breakdown @ 1008 psi. Treated @ avg rate 16.8 bpm, avg press 1450#. ISIP-2256 psi, 5-min 2042 psi. Flowback on 16/64" ck @ 1 bpm.

5/4/96 5317'-5327' **Frac C sand as follows:**
57,400# of 20/40 sd in 383 bbls of Boragel. Frmtn broke @ 1797#. Avg treating press 1450# @ 162 bpm. ISIP-1820 psi, 5-min 1698 psi. Start flowback on 16/64" ck @ 1.5 bpm.

5/7/96 5151'-5160' **Frac D-1 sand as follows:**
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4/25/96	6179'-6184'	4 JSPF	? holes
4/25/96	6091'-6094'	4 JSPF	? holes
4/25/96	6097'-6105'	4 JSPF	? holes
5/1/96	5459'-5468'	4 JSPF	36 holes
5/3/96	5317'-5327'	4 JSPF	40 holes
5/6/96	5151'-5160'	4 JSPF	36 holes
5/6/96	5162'-5169'	4 JSPF	28 holes



Inland Resources Inc.

Monument Butte Federal #1-25

660 FNL 660 FEL

NENE Section 25-T8S-R16E

Duchesne Co, Utah

API #43-013-31608; Lease #U-67170

SN @ ?'
EOT @ 5999'
PBD @ 6202'
TD @ 6250'

Monument Butte Federal #8-25

Spud Date: 2/29/96
Put on Production: 3/28/96
GL: 5429' KB: 5442'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: ? jts. (306')
DEPTH LANDED: 305'
HOLE SIZE: 12-1/4"
CEMENT DATA: 170 sxs Premium cmt, est 2 bbls cmt to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 148 jts. (6327.57')
DEPTH LANDED: 6326'
HOLE SIZE: 7-7/8"
CEMENT DATA: 290 sk Hyfill mixed & 380 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / WC-50 / 6.5#
NO. OF JOINTS: 175 jts (?)
TUBING ANCHOR: 5382'
SEATING NIPPLE: 2-7/8" (1.10')
MUD ANCHOR: 1 jt w/ NC
TOTAL STRING LENGTH: ? (EOT @ 5950')
SN LANDED AT: 5805'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" scraped, 127-3/4" slick rods, 95-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2" x 1-1/2" x 19' RHAC
STROKE LENGTH: ?
PUMP SPEED, SPM: ? SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

3/20/96 5792'-5870' **Frac LDC sand as follows:**
89,700# of 20/40 sd in 550 bbls of Boragel. Breakdown @ 2251 psi. Prefrac ISIP @ 1399 psi treated @ avg rate 24.5 bpm, avg press 1300 psi. ISIP-1894 psi, 1-min 1820 psi, 3-min 1800, 4-min 1770, 5-min 1750 psi. Flowback after 5 min on 16/64" ck @ 1.5 bpm.

3/22/96 5623'-5712' **Frac A sand as follows:**
103,200# of 20/40 sd w/ 611 bbls Boragel. Breakdown @ 3053' ck ISIP @ 1692 psi. Treated @ avg rate 24.2 bpm, avg press 2050 psi. ISIP 2124 psi, 5-min 1965. Flowback on 16/64" ck @ 1.6bpm.

3/25/96 5414'-5451' **Frac B-2 sand as follows:**
71,800# of 20/40 sd in 470 bbls Boragel. Breakdown @ 1719 psi, treated @ avg rate 20.5 bpm, avg press 1700 psi. ISIP-2676 psi, 5-min 2282. Flowback after 5 min SI @ 1.8 bpm on 16/64" ck.

PERFORATION RECORD

Date	Interval	Tool	Holes
3/19/96	5792'-5820'	2 JSPF	52 holes
3/19/96	5826'-5834'	2 JSPF	16 holes
3/19/96	5840'-5844'	2 JSPF	8 holes
3/19/96	5856'-5870'	2 JSPF	26 holes
3/21/96	5623'-5628'	2 JSPF	10 holes
3/21/96	5686'-5712'	2 JSPF	50 holes
3/23/96	5414'-5424'	2 JSPF	40 holes
3/23/96	5446'-5451'	2 JSPF	20 holes



SN @ 5805'
EOT @ 5950'
PBD @ 6285'
TD @ 6350'



Inland Resources Inc.

Monument Butte Federal #8-25

1979 FNL 660 FEL
SENE Section 25-T8S-R16E
Duchesne Co, Utah
API #43-013-31601; Lease #U-67170

Monument Butte Federal #7-25

Spud Date: 2/9/96
Put on Production: 3/13/96
GL: 5457' KB: 5468'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: ? jts. (306.77')
DEPTH LANDED: 305.24'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, 3 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: ? jts. (6199.78')
DEPTH LANDED: 6193'
HOLE SIZE: 7-7/8"
CEMENT DATA: 70 sk Hyfill mixed & 430 sxs thixotropic
CEMENT TOP AT: 2948 per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / WC-50 / 6.5#
NO. OF JOINTS: 202 jts (6101')
TUBING ANCHOR: 5891'
SEATING NIPPLE: 2-7/8" (1.10')
MUD ANCHOR:
TOTAL STRING LENGTH: ? (EOT @ 5991')
SN LANDED AT: 5927'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 4-3/4" scraped, 132-3/4" slick rods, 96-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2" x 1-1/2" x 16"
STROKE LENGTH: 74"
PUMP SPEED, SPM: 8 SPM
PUMPING UNIT SIZE: ?
PRIME MOVER: ?
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

2/28/96 6096'-6110' **Frac CP-2 sand as follows:**
43,900# of 20/40 sd in 414 bbls of Boragel, avg rate 24.5, avg press 2100 psi. ISIP 2268 psi, 5-min 2139 psi, 10-min 2100 psi. Flowback @ 1 bpm on 12/64" ck.

3/1/96 5289'-5301' **Frac C sand as follows:**
65,200# 20/40 sd in 460 bbls of Boragel brokedown @ 1920, pre-frec ISIP: 1438 psi. Treated @ avg rate 22 bpm @ 1900 psi, ISIP-1989 psi, 5-min 1971 psi, 10-min 1972. Flowback @ 1 bpm for 3 hours until dead.

3/4/96 5133'-5147' **Frac D-1 sand as follows:**
72,500# 20/40 sd in 464 bbls of Boragel. Breakdown @ 2034, pre-frec ISIP @ 1105. Treated @ avg rate 20 bpm @ 1850 psi. ISIP 2277, 5-min 2187, 10-min 2154. Flowback @ 1 bpm on 12/64" ck.

3/6/96 4620'-4628' **Frac GB-6 zone as follows:**
56,200# of 20/40 sd in 388 bbls of Boragel. Breakdown @ 2356, prefrac ISIP @ 1957 psi treated @ avg rate 20 bpm, avg press 2150. ISIP 2303 psi, 5-min 2276, 10-min 2255. Flowback 1 bpm on 12/64" ck.

PERFORATION RECORD

2/27/96	6096'-6110'	4 JSPF	52 holes
2/29/96	5289'-5301'	4 JSPF	44 holes
3/2/96	5133'-5147'	4 JSPF	52 holes
3/5/96	4620'-4628'	4 JSPF	32 holes



Inland Resources Inc.

Monument Butte Federal #7-25

1980 FNL 1950 FEL
NENE Section 25-T8S-R16E
Duchesne Co, Utah

API #43-013-31561; Lease #U-67170

SN @ 5927'
EOT @ 5991'
PBTD @ 6140'
TD @ 6200'

Monument Butte Federal #7-25

Spud Date: 2/9/96
Put on Injection: 3/13/97
GL: 5457' KB: 5468'

Injection Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: ? jts. (306.77')
DEPTH LANDED: 305.24'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, 3 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: ? jts. (6199.78')
DEPTH LANDED: 6193'
HOLE SIZE: 7-7/8"
CEMENT DATA: 70 sk Hyfill mixed & 430 sxs thixotropic
CEMENT TOP AT: 2948 per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 150 jts
TUBING ANCHOR: 4567.98'
TOTAL STRING LENGTH: EOT @ ?
SN LANDED AT: ?

SUCKER RODS

FRAC JOB

2/28/96 6096'-6110' **Frac CP-2 sand as follows:**
43,900# of 20/40 sd in 414 bbls of Boragel, avg rate 24.5, avg press 2100 psi. ISIP 2268 psi, 5-min 2139 psi, 10-min 2100 psi. Flowback @ 1 bpm on 12/64" ck.

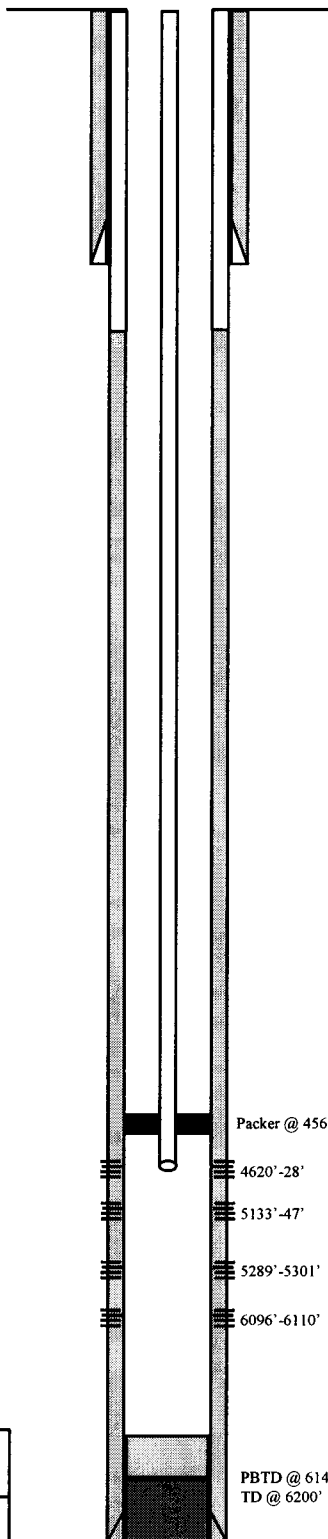
3/1/96 5289'-5301' **Frac C sand as follows:**
65,200# 20/40 sd in 460 bbls of Boragel broken down @ 1920, pre-frac ISIP: 1438 psi. Treated @ avg rate 22 bpm @ 1900 psi, ISIP-1989 psi, 5-min 1971 psi, 10-min 1972. Flowback @ 1 bpm for 3 hours until dead.

3/4/96 5133'-5147' **Frac D-1 sand as follows:**
72,500# 20/40 sd in 464 bbls of Boragel. Breakdown @ 2034, pre-frac ISIP @ 1105. Treated @ avg rate 20 bpm @ 1850 psi. ISIP 2277, 5-min 2187, 10-min 2154. Flowback @ 1 bpm on 12/64" ck.

3/6/96 4620'-4628' **Frac GB-6 zone as follows:**
56,200# of 20/40 sd in 388 bbls of Boragel. Breakdown @ 2356, prefrac ISIP @ 1957 psi treated @ avg rate 20 bpm, avg press 2150. ISIP 2303 psi, 5-min 2276, 10-min 2255. Flowback 1 bpm on 12/64" ck.

PERFORATION RECORD

2/27/96	6096'-6110'	4 JSPF	52 holes
2/29/96	5289'-5301'	4 JSPF	44 holes
3/2/96	5133'-5147'	4 JSPF	52 holes
3/5/96	4620'-4628'	4 JSPF	32 holes



Inland Resources Inc.

Monument Butte Federal #7-25

1980 FNL 1950 FEL

NENE Section 25-T8S-R16E

Duchesne Co, Utah

API #43-013-31561; Lease #U-67170

Monument Butte Federal #7-25

Spud Date: 2/9/96
Plugged: -/-/-
GL: 5457' KB: 5468'

Plugging Diagram

SURFACE CASING

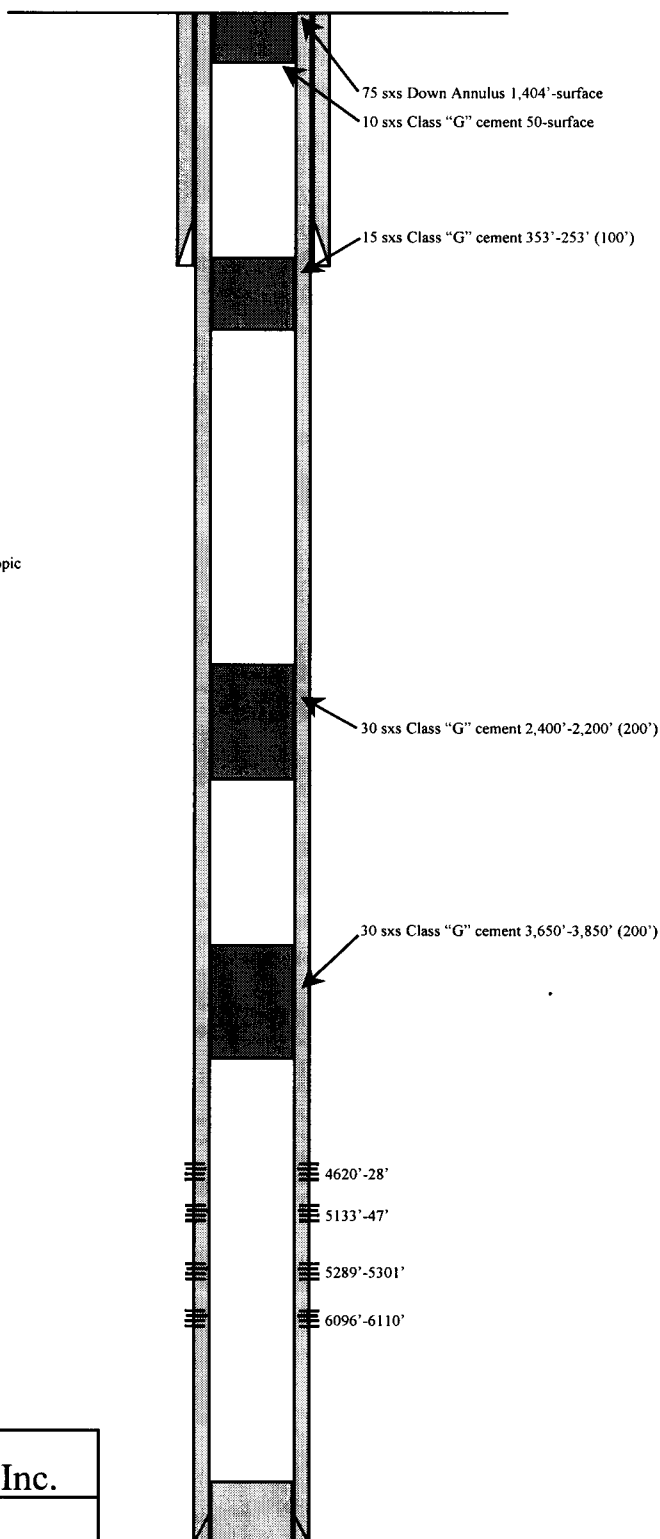
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: ? jts. (306.77')
DEPTH LANDED: 305.24'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, 3 bbbs to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: ? jts. (6199.78')
DEPTH LANDED: 6193'
HOLE SIZE: 7-7/8"
CEMENT DATA: 70 sk Hyfill mixed & 430 sxs thixotropic
CEMENT TOP AT: 2948 per CBL

TUBING

SUCKER RODS



Inland Resources Inc.

Monument Butte Federal #7-25

1980 FNL 1950 FEL

NENE Section 25-T8S-R16E

Duchesne Co, Utah

API #43-013-31561; Lease #U-67170

Monument Butte Federal #9-25

Spud Date: 4/28/96
Put on Production: 5/18/96
GL: 5327' KB: 5340'

Initial Production: 95 BOPD,
33 MCFPD, 1 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 291.67'
DEPTH LANDED: 290'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6124.47')
DEPTH LANDED: 6090'
HOLE SIZE: 7-7/8"
CEMENT DATA: 280 sxs Hyfill mixed & 360 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 176 jts
TUBING ANCHOR: 4972'
TOTAL STRING LENGTH: ? (EOT @ 5383')
SN LANDED AT: 5289'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" scraped, 106-3/4" slick rods, 97-3/4" scraped
PUMP SIZE: 2-1/2" x 1-1/2" x 12' x 15' RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 6 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

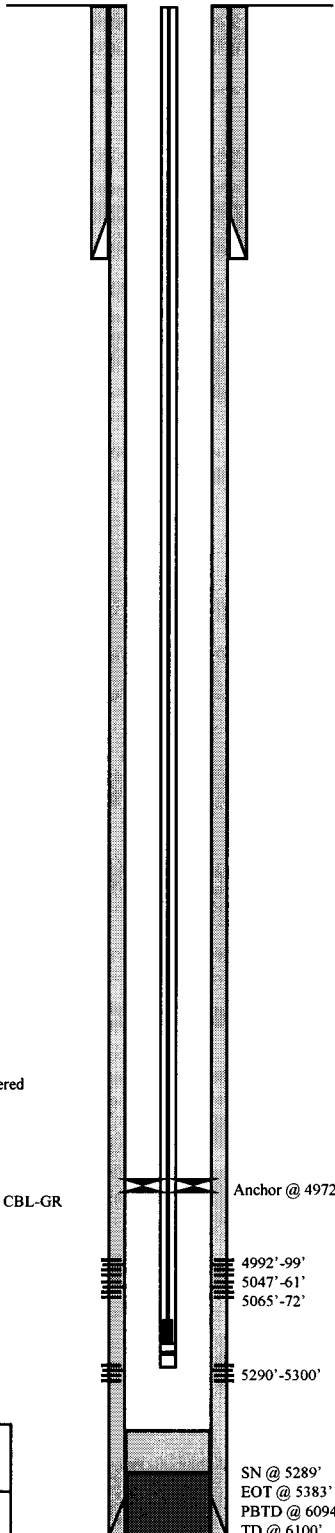
FRAC JOB

5/14/96 5290'-5300' **Frac B-1 sand as follows:**
60,100 20/40 sd in 412 bbls Boragel
frmt. Brokedown @ 2876#, avg TP
2250 @ 18.5 bpm. ISIP-2312 psi, 5-min
2176 psi. Flow well back on 16/64" ck @
1.5 bpm.

5/16/96 4992'-5072' **Frac D-1 & D-2 zone as follows:**
78,500# of 20/40 sd in 477 bbls Boragel.
Breakdown @ 2005# treated w/avg rate
of 18.7 bpm @ 1800 psi. ISIP-2234 psi,
5-min SI 2124 psi. Start flowback on
16/64" ck @ 1.8 bpm.

PERFORATION RECORD

5/13/96	5290'-5300'	4 JSPF	40 holes
5/15/96	4992'-4999'	4 JSPF	28 holes
5/15/96	5047'-5061'	4 JSPF	52 holes
5/15/96	5065'-5072'	4 JSPF	28 holes



Inland Resources Inc.

Monument Butte Federal #9-25

1913 FSL 624 FEL

NESE Section 26-T8S-R16E

Duchesne Co, Utah

API #43-013-31600; Lease #U-67170

Monument Butte Federal #9-25

Spud Date: 4/28/96
Plugged: --/--/--
GL: 5327' KB: 5340'

Initial Production: 95 BOPD,
33 MCFPD, 1 BWPD

Plugging Diagram

SURFACE CASING

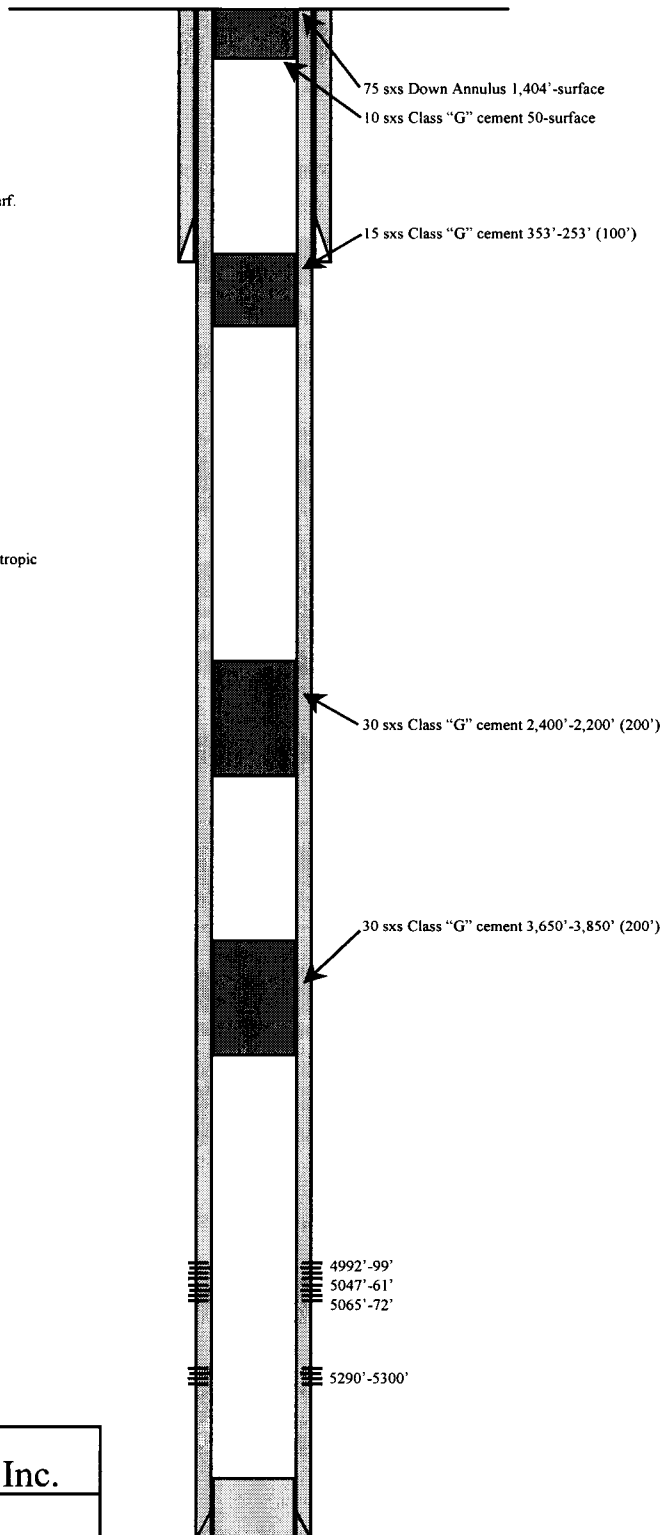
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 291.67'
DEPTH LANDED: 290'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6124.47')
DEPTH LANDED: 6090'
HOLE SIZE: 7-7/8"
CEMENT DATA: 280 sxs Hyfill mixed & 360 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SUCKER RODS



Inland Resources Inc.

Monument Butte Federal #9-25

1913 FSL 624 FEL

NESE Section 26-T8S-R16E

Duchesne Co, Utah

API #43-013-31600; Lease #U-67170

Monument Butte Federal #9-25

Spud Date: 4/28/96
Put on Injection: 2/7/97
GL: 5327' KB: 5340'

Initial Production: 95 BOPD,
33 MCFPD, 1 BWPD

Injection Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 291.67'
DEPTH LANDED: 290'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sks Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6124.47')
DEPTH LANDED: 6090'
HOLE SIZE: 7-7/8"
CEMENT DATA: 280 sks Hyfill mixed & 360 sks thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 159 jts
PACKER: 4973.77'
TOTAL STRING LENGTH: ? (EOT @ ?)
SN LANDED AT: ?

SUCKER RODS

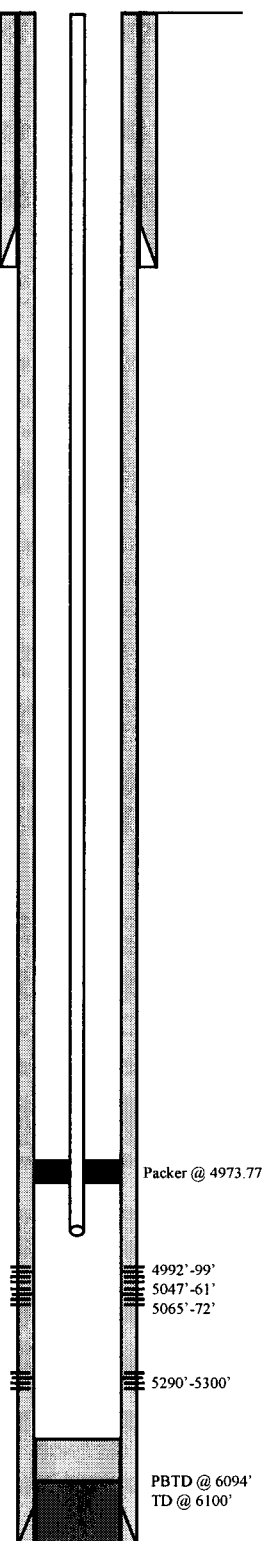
FRAC JOB

5/14/96 5290'-5300' **Frac B-1 sand as follows:**
60,100 20/40 sd in 412 bbls Boragel
frmt. Brokedown @ 2876#, avg TP
2250 @ 18.5 bpm. ISIP-2312 psi, 5-min
2176 psi. Flow well back on 16/64" ck @
1.5 bpm.

5/16/96 4992'-5072' **Frac D-1 & D-2 sands as follows:**
78,500# of 20/40 sd in 477 bbls Boragel.
Breakdown @ 2005# treated w/avg rate
of 18.7 bpm @ 1800 psi. ISIP-2234 psi,
5-min SI 2124 psi. Start flowback on
16/64" ck @ 1.8 bpm.

PERFORATION RECORD

5/13/96	5290'-5300'	4 JSPF	40 holes
5/15/96	4992'-4999'	4 JSPF	28 holes
5/15/96	5047'-5061'	4 JSPF	52 holes
5/15/96	5065'-5072'	4 JSPF	28 holes



Inland Resources Inc.

Monument Butte Federal #9-25

1913 FSL 624 FEL

NESE Section 26-T8S-R16E

Duchesne Co, Utah

API #43-013-31600; Lease #U-67170

Tar Sands Federal #3-30

Spud Date: 12/13/96
Put on Production: 1/21/97
GL: 5349' KB: 5362'

Initial Production: 109 BOPD,
172 MCFPD, 4 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (294.37')
DEPTH LANDED: 293' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 148 jts. (6262.80')
DEPTH LANDED: 6261'
HOLE SIZE: 7-7/8"
CEMENT DATA: 460 sk Hibond mixed & 470 sxs thixotropic
CEMENT TOP AT: 691' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 202 jts
TUBING ANCHOR: 5692'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: ? (EOT @ 5816')
SN LANDED AT: 5754'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-1" scraped, 126-3/4" plain rods, 100-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 16 RHAC
STROKE LENGTH: 100"
PUMP SPEED, SPM: 7 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

1/15/97 5735'-5747' **Frac A-3 sand as follows:**
96,000# of 20/40 sand in 553 bbls of Boragel. Breakdown @ 3000 psi. Treated @ avg rate of 25.5 bpm w/avg press of 2450 psi. ISIP-1' 927 psi, 5-min 1812 psi. Flowback on 12/64" ck for 4 hours and died.

1/17/97 5131'-5204' **Frac D-1 and D-2 sands as follows:**
75,800# of 20/40 sand in 468 bbls of Boragel. Breakdown @ 2892 psi. Treated @ avg rate of 23 bpm w/avg press of 1600 psi. ISIP-1903 psi, 5-min 1869 psi. Flowback on 12/64" ck for 4 hours and died.

PERFORATION RECORD

Date	Interval	Type	Holes
1/14/97	5735'-5747'	4 JSPF	48 holes
1/17/97	5131'-5140'	4 JSPF	36 holes
1/17/97	5143'-5149'	4 JSPF	24 holes
1/17/97	5192'-5195'	4 JSPF	12 holes
1/17/97	5200'-5204'	4 JSPF	16 holes



SN @ 5754'
EOT @ 5816'
PBTD @ 6219'
TD @ 6250'



Inland Resources Inc.

Tar Sands Federal #3-30

584 FNL 1898 FWL

NENW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31755; Lease #U-74869

Tar Sands Federal #4-30

Spud Date: 5/18/96
Put on Production: 6/26/96
GL: 5378' KB: 5391'

Initial Production: 224 BOPD,
140 MCFPD, 8 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (287.64')
DEPTH LANDED: 285.69' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 148 jts. (6255.57')
DEPTH LANDED: 6251.57'
HOLE SIZE: 7-7/8"
CEMENT DATA: 290 sk Hyfill mixed & 360 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 147 jts
TUBING ANCHOR: 4600'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: ? (EOT @ 5291')
SN LANDED AT: 5134'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-3/4" scraped, 101-3/4" slick rods, 96-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2" x 1-1/2" x 12 x 15 RHAC
STROKE LENGTH: 52"
PUMP SPEED, SPM: 8 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

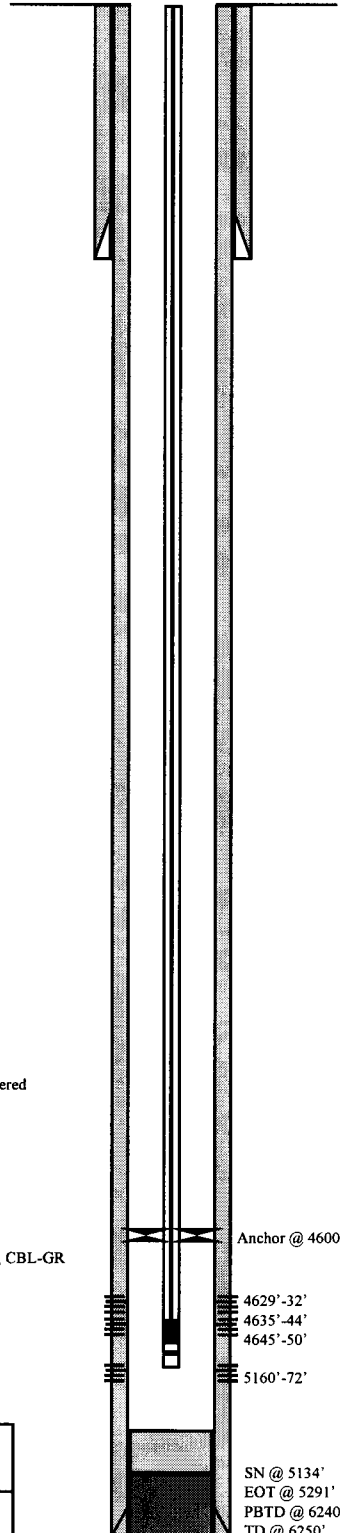
FRAC JOB

6/19/96 5160'-5172' **Frac D-1 sand as follows:**
94,400# 20/40 sand in 470 bbls of
Boragel. Breakdown @ 1613 psi, treated
@ avg rate 18.3 bpm w/avg press of 1670
psi. ISIP 1947 psi, 5-min 1877 psi. Start
flowback on 16/64" ck after 5 min.
Flowed for 3 hrs and died.

6/21/96 4629'-4650' **Frac GB-4 sand as follows:**
95,400# of 20/40 sand in 491 bbls of
Boragel. Breakdown @ 1777 psi. Treated
@ avg rate 18.2 bpm w/avg press of 1470
psi. ISIP-2166 psi. 5-min 1637 psi.
Flowback after 5 min on 16/64" ck.
Flowed for 5-1/2 hrs & died.

PERFORATION RECORD

6/18/96	5160'-5172'	4 JSPF	48 holes
6/20/96	4629'-4632'	4 JSPF	12 holes
6/20/96	4635'-4644'	4 JSPF	36 holes
6/20/96	4645'-4650'	4 JSPF	20 holes



Inland Resources Inc.

Tar Sands Federal #4-30

559 FNL 643 FWL

NWNW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31621; Lease #U-74869

Tar Sands Federal #5-30

Spud Date: 8/5/96
Put on Production: 9/19/96
GL: 5420' KB: 5433'

Initial Production: 69 BOPD,
102 MCFPD, 3 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (294.78')
DEPTH LANDED: 292.18'(GL)
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts. (6269.79')
DEPTH LANDED: 6261.79'
HOLE SIZE: 7-7/8"
CEMENT DATA: 370 sk Hyfill mixed & 360 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/LS tbg.
NO. OF JOINTS: 199 jts.
TUBING ANCHOR: 5099'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5540'
SN LANDED AT: 5415'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 4- 1" scraped, 112-3/4" plain rods, 96-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 x 15" RHAC pump
STROKE LENGTH: 86"
PUMP SPEED, SPM: 7 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

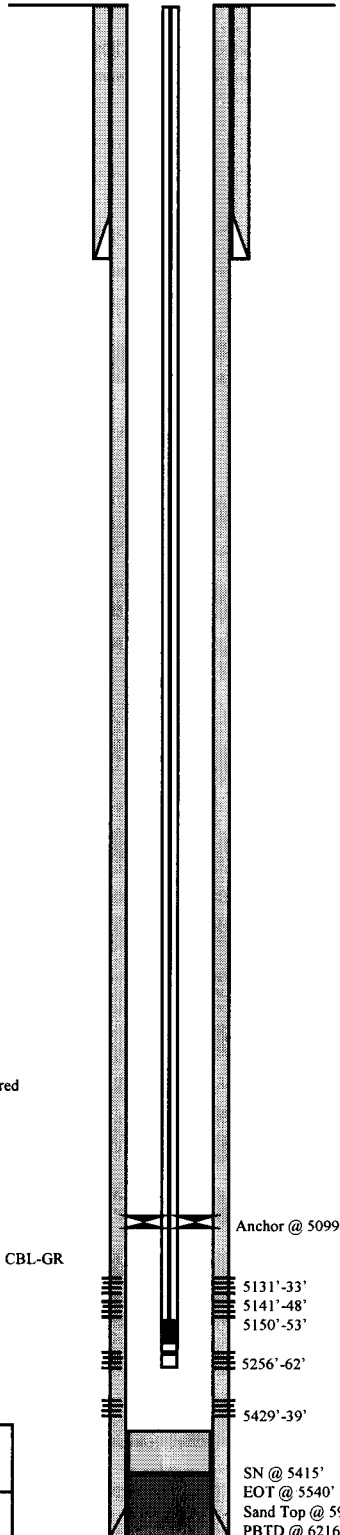
9/11/96 5429'-5439' **Frac B-1 sand as follows:**
71,700# of 20/40 sand in 442 bbls of Boragel. Breakdown @ 2111 psi. Treated @ avg rate of 20.2 bpm w/avg press of 1500 psi. ISIP-2297 psi, 5-min 2000psi. Flowback on 12/64" ck for 3 hrs and died.

9/13/96 5256'-5262' **Frac D-3 sand as follows:**
71,700# of 20/40 sand in 442 bbls of Boragel. Breakdown @ 2111 psi. Treated @ avg rate of 20.2 bpm w/avg press of 1500 psi. ISIP-2297 psi, 5-min 2000 psi. Flowback on 12/64" ck. for 2 hrs and died.

9/16/96 5131'-5153' **Frac D-1 sand as follows:**
63,400# of 20/40 sand in 377 bbls o Boragel. Breakdown @ 780 psi. Treated @ avg rate of 18.3 bpm w/ avg press of 1650 psi. ISIP-2399 psi, 5-min 2390 psi. Flowback on 12/64" ck for 3 hrs and died.

PERFORATION RECORD

9/10/96	5429'-5439'	4 JSPF	40 holes
9/12/96	5256'-5262'	4 JSPF	24 holes
9/14/96	5131'-5133'	4 JSPF	8 holes
9/14/96	5141'-5148'	4 JSPF	28 holes
9/14/96	5150'-5153'	4 JSPF	12 holes



Inland Resources Inc.

Tar Sands Federal #5-30

631.4 FWL 1884.4 FNL

SWNW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31620; Lease #U-74869

Tar Sands Federal #6-30

Spud Date: 12/7/96
Plugged: 12/12/96
GL: 5373' KB: 5386'

Initial Production: NONE

Plugging Diagram

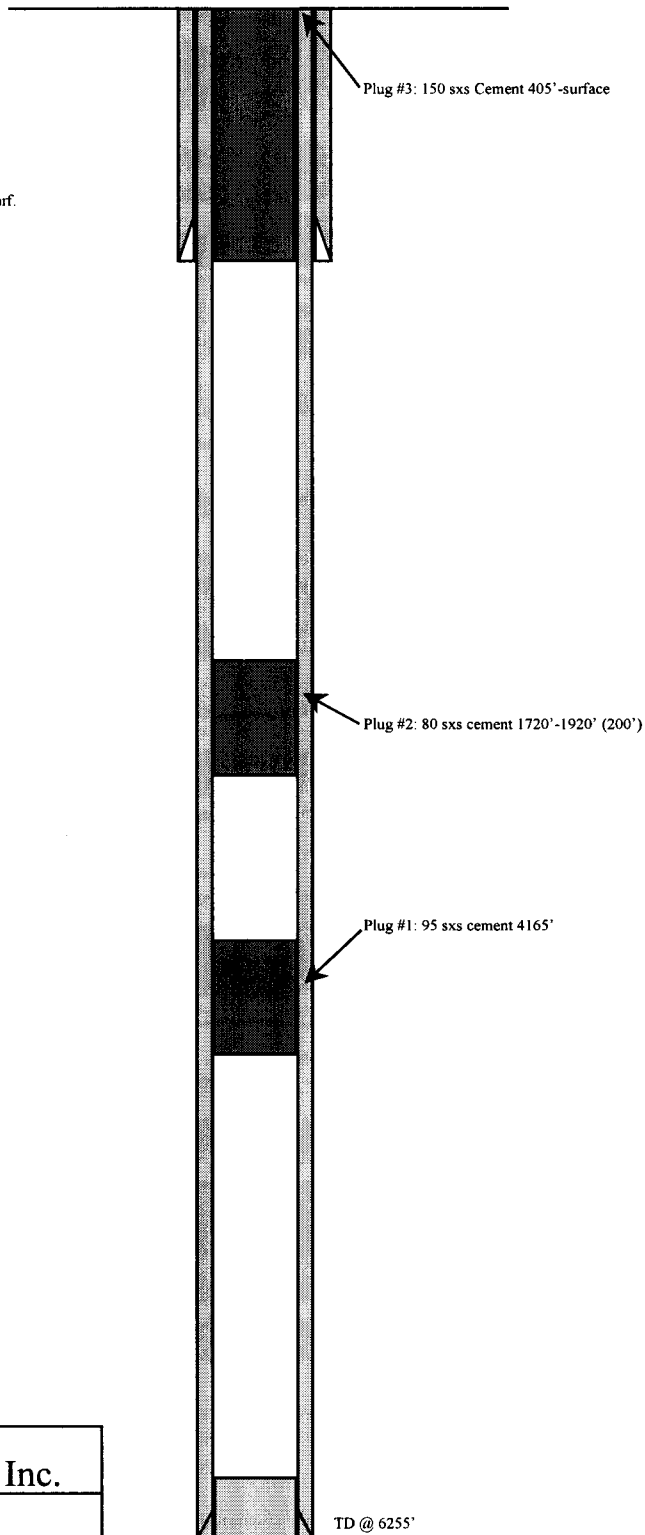
SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 293.94' GL
DEPTH LANDED: 293'
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

TUBING

SUCKER RODS



Inland Resources Inc.

Tar Sands Federal #6-30

1802 FWL 1871 FNL

SENW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31712; Lease #U-74869

Tar Sands Federal #7-30

Spud Date: 6/4/97
Put on Production: 6/27/97
GL: 5362' KB: 5375'

Initial Production: 63 BOPD,
94 MCFPD, 2 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (303.77')
DEPTH LANDED: 302.61' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 149 jts. (6210.27')
DEPTH LANDED: 6204.90'
HOLE SIZE: 7-7/8"
CEMENT DATA: 390 sk HiBond mixed & 335 sxs thixotropic
CEMENT TOP AT: 606' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 198 jts
TUBING ANCHOR: 5958'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 6120'
SN LANDED AT: 6053'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-1" scraped, 5-7/8" plain rods, 132-3/4" plain rods, 100-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2" x 1-1/2" x 15 RHAC
STROKE LENGTH: 72"
PUMP SPEED, SPM: 7 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

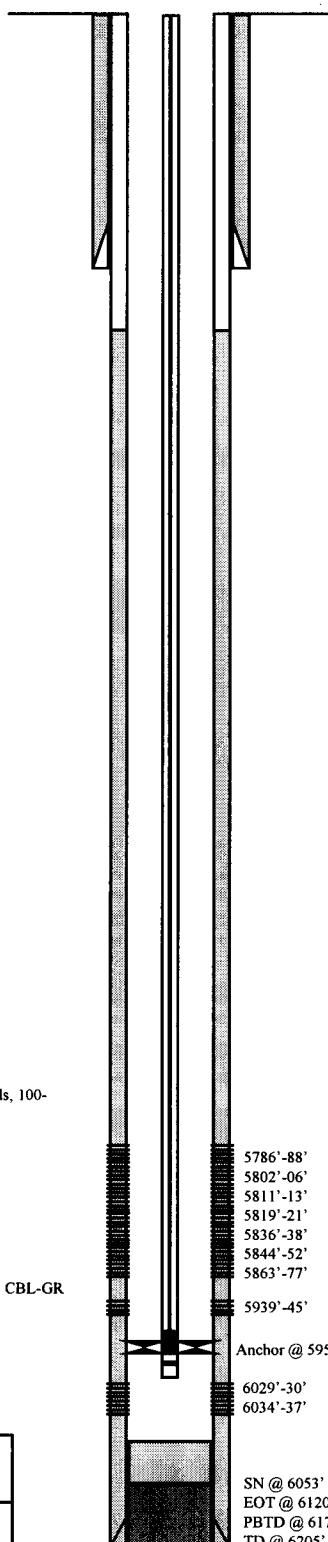
FRAC JOB

6/21/97 5939'-6037' **Frac LODC & CP-1 sand as follows:**
54,450# of 20/40 sand in 364 bbls of Boragel. Broke down @ 2580 psi. Treated @ avg rate of 26.1 bpm w/avg press of 2480 psi. ISIP-2390 psi, 5-min 1802 psi, 10-min 1751 psi, 15-min 1711 psi. Flowback on 12/64" ck for 3 hours and died.

6/24/96 5786'-5877' **Frac LODC sand as follows:**
139,000# of 20/40 sand in 608 bbls of Boragel. Perfs broke down @ 2380 psi. Treated @ avg rate of 35.3 bpm w/avg press of 1550 psi. ISIP-1983 psi, 5-min 1789 psi. Flowback on 12/64" ck for 4 hours and died.

PERFORATION RECORD

6/20/97	5939'-5945'	4 JSPF	24 holes
6/20/97	6029'-6030'	4 JSPF	1 holes
6/20/97	6034'-6037'	4 JSPF	12 holes
6/23/97	5786'-5788'	4 JSPF	8 holes
6/23/97	5802'-5806'	4 JSPF	16 holes
6/23/97	5811'-5813'	4 JSPF	8 holes
6/23/97	5819'-5821'	4 JSPF	8 holes
6/23/97	5836'-5838'	4 JSPF	8 holes
6/23/97	5844'-5852'	2 JSPF	16 holes
6/23/97	5863'-5877'	2 JSPF	28 holes



Inland Resources Inc.

Tar Sands Federal #7-30

1980 FNL 1980 FEL

SWNE Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31807; Lease #U-74869

Tar Sands Federal #11-30

Spud Date: 12/2/96
Put on Production: 1/14/97
GL: 5299' KB: 5312'

Initial Production: 108 BOPD,
121 MCFPD, 6 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (285.79')
DEPTH LANDED: 284.19' GL
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6151')
DEPTH LANDED: 6148'
HOLE SIZE: 7-7/8"
CEMENT DATA: 330 sk Hibond mixed & 320 sxs thixotropic
CEMENT TOP AT: 278' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#
NO. OF JOINTS: 188 jts.
TUBING ANCHOR: 5841'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5973')
SN LANDED AT: 5905'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 4-1" scraped, 133-3/4" plain rods, 98-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 x 12 x 15 RHAC pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 8
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

1/2/97 5909'-5928' **Frac CP-1 sand as follows:**
79,700# of 20/40 sand in 498 bbls of Borgel.
Breakdown @ 2842 psi. Treated @ avg rate of 25.2 bpm w/avg press of 1450 psi. ISIP: 1924 psi, 5-min 1761 psi. Flowback on 12/64" ck for 3 hours and died.

1/4/97 5492'-5504' **Frac A-3 sand as follows:**
64,800# of 20/40 sand in 432 bbls of Borgel. Breakdown @ 3318 psi. Treated @ avg rate of 22.1 bpm w/avg press of 2180 psi. ISIP: 2497 psi, 5-min 2330 psi. Flowback on 12/64" ck for 2 hours and died.

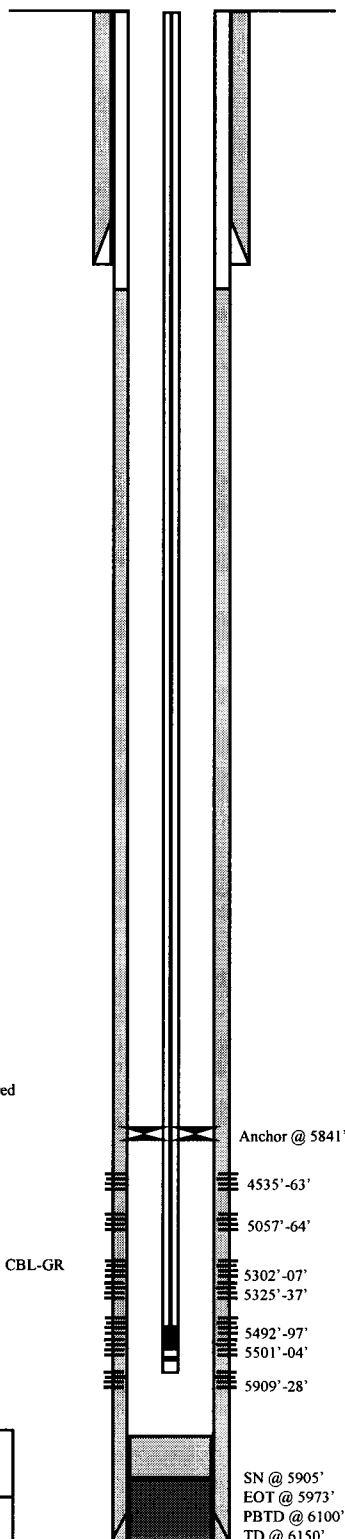
1/8/97 5302'-5337' **Frac B-1 sand as follows:**
79,800# of 20/40 sand in 459 bbls of Borgel. Breakdown @ 3745 psi. Treated @ avg rate of 20.1 bpm w/avg press of 2200 psi. ISIP: 2295, 5-min 2105 psi. Flowback on 12/64" ck for 2 hours and died.

1/9/97 5057'-5064' **Frac D-2 sand as follows:**
80,400# of 20/40 sand in 475 bbls of Borgel. Treated @ avg rate of 20.5 bpm w/avg press of 1800 psi. Breakdown @ 2535 psi. ISIP: 2365 psi, 5-min 2322 psi. Flowback on 12/64" ck for 3 hours and died.

6/22/97 4535'-4563' **Frac GB sand as follows:**
192,340# of 20/40 sand in 480 bbls of Borgel. Treated @ avg rate of 26.2 bpm w/avg press of 2300 psi. Breakdown @ 2785 psi. ISIP: 3309 psi, 5-min 2425 psi. Flowback on 12/64" ck for 4 hours and died.

PERFORATION RECORD

Date	Interval	Tool	Holes
12/30/96	5909'-5928'	4 JSPF	76 holes
1/3/97	5492'-5497'	4 JSPF	20 holes
1/3/97	5501'-5504'	4 JSPF	16 holes
1/6/97	5302'-5307'	4 JSPF	20 holes
1/6/97	5325'-5337'	4 JSPF	48 holes
1/9/97	5057'-5064'	4 JSPF	28 holes
6/20/97	4550'-4563'	4 JSPF	52 holes
6/20/97	4535'-4541'	4 JSPF	24 holes



SN @ 5905'
EOT @ 5973'
PBTD @ 6100'
TD @ 6150'



Inland Resources Inc.

Tar Sands Federal #11-30

1935 FWL 2015 FSL

NESW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31732; Lease #U-74869

Tar Sands Federal #12-30

Spud Date: 7/20/96
Put on Production: 9/6/96
GL: 5315' KB: 5328'

Initial Production: 135 BOPD,
362 MCFPD, 4 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (289.88')
DEPTH LANDED: 288.28' (GL)
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 145 jts. (6209.12')
DEPTH LANDED: 6203.12'
HOLE SIZE: 7-7/8"
CEMENT DATA: 270 sk Hyfill mixed & 330 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/LS tbg.
NO. OF JOINTS: 198 jts.
TUBING ANCHOR: 5868'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 6056'
SN LANDED AT: 5901'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 8- 1" scraped, 127-3/4" plain rods, 96-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 2-1/2 x 1-1/2 x 15" RHAC pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 7 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

8/26/96 5903'-5968' **Frac CP-1 & CP-2 sands as follows:**
111,200# of 20/40 sand in 582 bbls of Boragel. Breakdown @ 2483 psi. Treated @ avg rate of 24 bpm w/avg press of 2000psi. ISIP: 2200 psi, 5-min 2049 psi. Flowback on 12/64" ck for 4-1/2 hrs and died.

8/28/96 5644'-5657' **Frac LDC sand as follows:**
105,600# of 20/40 sand in 551 bbls of Boragel. Breakdown @ 1936 psi. Treated @ avg rate of 20.5 bpm w/avg press of 2250 psi. ISIP-3018 psi, 5-min 2718 psi. Flowback on 12/64" ck for 4 hrs and died.

8/30/96 5292'-5310' **Frac B-1 sand as follows:**
115,000# of 20/40 sand in 572 bbls of Boragel. Breakdown @ 2508 psi. Treated @ avg rate of 20 bpm w/avg press of 1700 psi. ISIP-2107 psi, 5-min 2078 psi. Flowback on 12/64" ck for 3 hrs and died.

9/3/96 5060'-5074' **Frac D-2 sand as follows:**
100,500# of 20/40 sand in 545 bbls of Boragel. Breakdown @ 1752 psi. Treated @ avg rate of 20.4 bpm w/avg press of 1750 psi. ISIP-2727 psi, 5-min 1908 psi. Flowback on 12/64" ck for 3 hrs and died.

PERFORATION RECORD

8/24/96	5903'-5913'	4 JSPF	40 holes
8/24/96	5938'-5943'	4 JSPF	20 holes
8/24/96	5956'-5958'	4 JSPF	8 holes
8/24/96	5961'-5963'	4 JSPF	8 holes
8/24/96	5965'-5968'	4 JSPF	12 holes
8/27/96	5644'-5657'	4 JSPF	48 holes
8/29/96	5292'-5310'	4 JSPF	68 holes
8/31/96	5060'-5064'	4 JSPF	16 holes
8/24/96	5071'-5074'	4 JSPF	12 holes



Inland Resources Inc.

Tar Sands Federal #12-30

660 FWL 1980 FSL

NWSW Section 30-T8S-R17E

Duchesne Co, Utah

API #43-013-31543; Lease #U-74869

SN @ 5901'
EOT @ 6056'
PBTD @ 6150'
TD @ 6200'

Tar Sands Federal #13-30

Spud Date: 6/29/96
Put on Production: 7/30/96
GL: 5282' KB: 5295'

Initial Production: 32 BOPD,
68 MCFPD, 2 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (290.48')
DEPTH LANDED: 289.38'(GL)
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 144 jts. (6146.77')
DEPTH LANDED: 6140.77'
HOLE SIZE: 7-7/8"
CEMENT DATA: 320 sk Hybond mixed & 340 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8"/6.5#/LS tbg.
NO. OF JOINTS: 202 jts.
TUBING ANCHOR: 5706'
SEATING NIPPLE: 2-7/8" (1.10')
TOTAL STRING LENGTH: EOT @ 5809'
SN LANDED AT: 5739'

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod.
SUCKER RODS: 4- 1" scraped, 123-3/4" plain rods, 98-3/4" scraped
TOTAL ROD STRING LENGTH: ?
PUMP NUMBER: ?
PUMP SIZE: 1-1/2" pump
STROKE LENGTH: 74"
PUMP SPEED, SPM: 9 SPM
LOGS: Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR

FRAC JOB

7/17/96 5844'-6016' **Frac CP-1 and CP-4 sands as follows:**
83,900# of 20/40 sand in 486 bbls of Boragel. Breakdown @ 2763 psi, treated @ avg rate of 28 bpm w/ avg press of 2000psi. ISIP-2497 psi, 5-min 2170 psi. Flowback on 16/64" ck for 2-1/2 hrs & died.
7/20/96 4940'-5023' **Frac D-1 and D-2 sand as follows:**
87,100# of 20/40 sd in 470 bbls of Boragel. Breakdown @ 2640 psi. Treated @ avg rate of 26.4 bpm w/avg press of 2400 psi. ISIP-2938 psi, 5-min 2881 psi. Flowback on 16/64" ck for 2-1/2 hrs and died.

PERFORATION RECORD

7/17/96	5844'-5457'	4 JSPF	28 holes
7/17/96	6012'-6016'	4 JSPF	16 holes
7/18/96	4940'-4944'	4 JSPF	16 holes
7/18/96	4952'-4954'	4 JSPF	8 holes
7/18/96	5014'-5023'	4 JSPF	36 holes



Inland Resources Inc.

Tar Sands Federal #13-30

602.6 FSL 698.9 FWL

SWSW Section 30-T8S-R17E

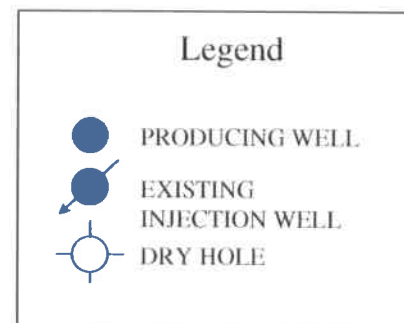
Duchesne Co, Utah

API #43-013-31637; Lease #U-74869



(GRAZING RIGHTS ONLY)
LESSEE:
ELMER MOON & SONS

EXHIBIT



TAR SANDS FEDERAL 5-30 6260 TD

EXHIBIT B

Page 1 of 2

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased by
1	Township 8 South, Range 17 East Section 18: Lots 3, 4 Section 19: Lots 1, 2, E/2NW/4 (Excluding Patent #880415) Section 29: All Section 30: Lots 1-14, E/2NE/4, E/2SW/4, SW/4SE/4 Section 31: Lots 1-5, W/2E/2, SE/4NE/4, E/2W/2, NE/4SE/4	UTU-74869 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
2.	Township 8 South, Range 17 East Section 30: NW/4NE/4	U-71368 HBP	Snyder Oil Corporation	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
3.	Township 8 South, Range 16 East Section 17: All Section 18: Lots 1 & 2 Section 19: Lots 3-5, , E/2, NE/4SW/4 Section 20: All Section 21: W/2, SE/4	U-50376 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons

EXHIBIT B

Page 2 of 2

Tract	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights Grazing Rights Leased by
4.	Township 8 South, Range 16 East Section 24: S/2 Section 25: NE/4, E/2NW/4, S/2 Section 26: S/2SE/4	U-67170 HBP	Inland Production Company	(Surface Rights) USA (Grazing Rights) Elmer Moon & Sons
5.	Township 8 South, Range 17 East Sections 19, 30 & 31	Raven, Blackbird and Brunette Mining Claims	Kaiser-Francis Oil Company	



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

Michael O. Leavitt
Governor

Lowell P. Braxton
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. 229-2

Operator: Inland Production Company

Wells: Boundary Federal 5-30

Location: Section 30, Township 8 South, Range 17 East,
County: Duchesne

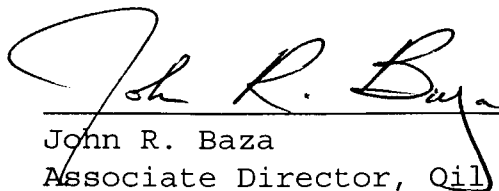
API No.: 43-013-31620

Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued by the Board of Oil, Gas and Mining on November 4, 1997 (Cause # 229-2)
2. Maximum Allowable Injection Pressure: 2087 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Douglas Creek Member of the Green River Formation (5131 feet - 5439 feet)

Approved by:


John R. Baza
Associate Director, Oil And Gas

8/4/98
Date



August 14, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Date of First Injection
Tar Sands Federal #5-30
Sand Wash Unit
Section 30-T8S-R17E
Duchesne County, Utah

Dear Mr. Jarvis:

Please find attached, Form 3160-5, Sundry Notice and Report on Wells, indicating the date of first injection for the above referenced well. Should you have any questions, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight
Manager, Regulatory Compliance

cc: Mr. Edwin Forsman, BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-74869

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

SAND WASH (GR RVR)

8. Well Name and No.

TAR SANDS FEDERAL 5-30

9. API Well No.

43-013-31620

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil
Well

☐ Gas
Well

☒ Other

WIW

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1884 FNL 0631 FWL SW/NW Section 30, T08S R17E

12. **CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other **First Injection**

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☐ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is direction-
ally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The above referenced well was put on injection 7-30-98.

14. I hereby certify that the foregoing is true and correct

Signed

Debbie Knight

Title

Manager, Regulatory Compliance

Date

8/14/98

(This space for Federal or State office use)

Approved by

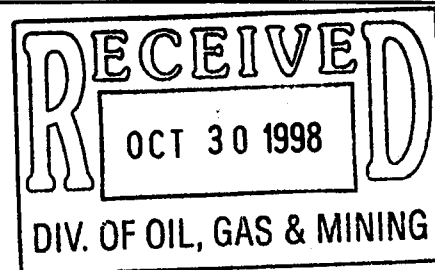
Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious
or fraudulent statements or representations as to any matter within its jurisdiction.



October 29, 1998

State of Utah
Division of Oil, Gas & Mining
Attn: Carolyn
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Carolyn:

Please find enclosed the Production & Disposition Reports for August 1998. I have changed my computer program so that there will not be wells listed on the reports that haven't gone on production yet. This is one of the items we discussed. The only discrepancies between the models and my reports are wells that have gone on injection. I have looked through our files and it appears that all the paperwork is in order. I have deleted these wells off my reports. They are as follows:

<u>Well Name & Number</u>	<u>Entity #</u>	<u>Date of 1st Injection</u>
Monument Butte #7-26 W W	12187	March 18, 1998 4301331754
Monument Butte #1-26 W W	12187	January 23, 1998 4301331767
Monument State #13-2 W W	12275	April 29, 1998 4301331482
Monument State #31-2 W W	12275	June 4, 1998 4304732563
Wells Draw #43-5 W W	12276	July 2, 1998 4301330858
Wells Draw #23-34B W W	12276	June 5, 1998 4301331241
Tar Sands #5-30 W W	12308	July 30, 1998 4301331620 30-85-17E
Tar Sands #3-28 W W	12391	June 25, 1998 4301331623
Tar Sands #5-28 W W	12391	August 5, 1998 4301331697

Please check your records and let me know if you need any further information for any of these wells. As always, thanks for your assistance. If you have any questions or need further information, please don't hesitate to call me.

Sincerely,

Kebbie S. Jones
District Administrator

Enclosures

~~W~~W NGC 12-4G 4301330699 7-2-98
~~W~~W TAR SANDS FED 330 4301331755 7-31-98

/kj

485 646-3721

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-74869	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		7. UNIT AGREEMENT NAME SAND WASH (GR RVR)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SW/NW Section 30, T8S R17E 1884 FNL 631 FWL		8. FARM OR LEASE NAME TAR SANDS FED 5-30	
14 API NUMBER 43-013-31620		9. WELL NO. TAR SANDS FED 5-30	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5420 GR		10. FIELD AND POOL, OR WILDCAT MONUMENT BUTTE	
12. COUNTY OR PARISH DUCHESNE		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SW/NW Section 30, T8S R17E	
13. STATE UT			

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> 5 Year MIT	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A 5 Year MIT was conducted on the subject well. On 6/11/03 Al Craver w/EPA was contacted of the intent to conduct a MIT on the casing. On 6/17/03 the casing was pressured to 1340 psi w/no pressure loss charted in the 1/2 hour test. No Governmental agencies were able to witness the test.

18 I hereby certify that the foregoing is true and correct

SIGNED <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>	DATE <u>6/19/2003</u>
Krishna Russell		

cc: BLM

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
JUN 20 2003
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P:W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 6 / 17 / 03
Test conducted by: BRET KENRIE
Others present: _____

Well Name: <u>TAR SANDS FEDERAL 5-30-8-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>SAND WASH UNIT</u>		
Location: <u>SW/NW</u> Sec: <u>30</u> T <u>8</u> N/S R <u>17</u> E/W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>INLAND</u>		
Last MIT: <u>7 / 7</u> <u>11998</u> Maximum Allowable Pressure: <u>1,124</u> PSIG		

Is this a regularly scheduled test? ☒ Yes ☐ No

Initial test for permit? ☐ Yes ☒ No

Test after well rework? ☐ Yes ☒ No

Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING PRESSURE				
Initial Pressure	<u>990</u> psig			
End of test pressure	<u>990</u> psig			
CASING / TUBING ANNULUS PRESSURE				
0 minutes	<u>1340</u> psig			
5 minutes	<u>1340</u> psig			
10 minutes	<u>1340</u> psig			
15 minutes	<u>1345</u> psig			
20 minutes	<u>1345</u> psig			
25 minutes	<u>1345</u> psig			
30 minutes	<u>1350</u> psig			
minutes	psig			
minutes	psig			
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? _____

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff _____ Date: ____/____/____

Do you agree with the reported test results? ☐ YES ☐ NO

If not, why?

Possible violation identified? ☐ YES ☐ NO

If YES, what

If YES - followup initiated? ☐ YES

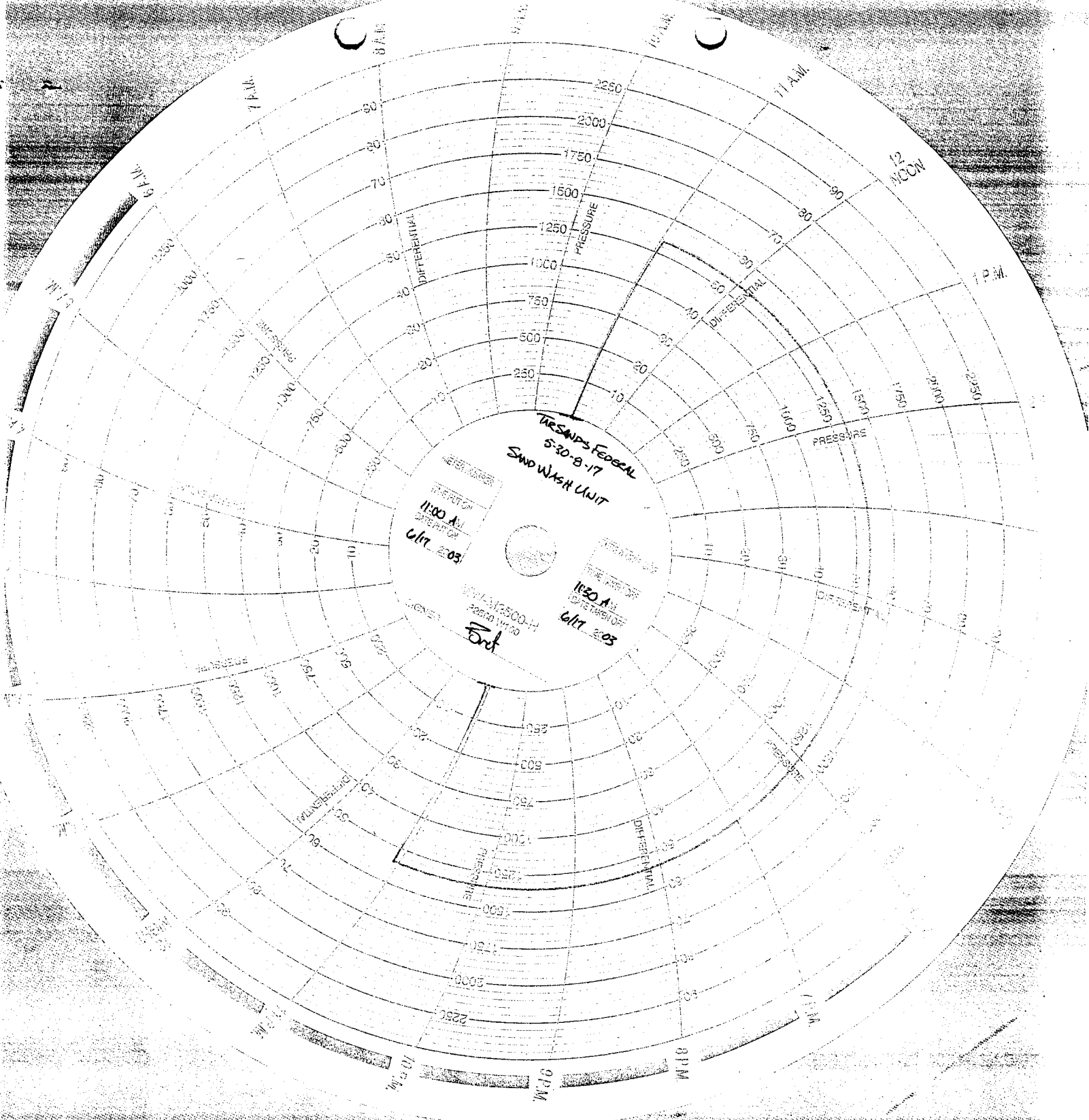
[I NO - why not?

[] Data Entry

☐ Compliance Staff

[] 2nd Data Entry

☐ Hardcopy Filing



THE SANDS FEDERAL
5-30-8-17
SWD WASH UNIT

11:00 A.M.
DIFFERENTIAL
617 203

11:50 A.M.
DIFFERENTIAL
617 203

11:50 A.M.
DIFFERENTIAL
617 203

End

STATE OF UTAH

DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.

OIL WELL ☐ GAS WELL ☐ OTHER ☒ **Injection Well**

2. NAME OF OPERATOR
INLAND PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NUMBER
Rt. 3 Box 3630, Myton Utah 84052
435-646-3721

4. LOCATION OF WELL

Footages **1884 FNL 631 FWL**

QQ, SEC, T, R, M **SW/NW Section 30, T8S R17E**

5. LEASE DESIGNATION AND SERIAL NO.

U-74869

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME

N/A

7. UNIT AGREEMENT NAME

SAND WASH (GR RVR)

8. WELL NAME and NUMBER

TAR SANDS FED 5-30

9. API NUMBER

43-013-31620

10. FIELD AND POOL, OR WILDCAT

MONUMENT BUTTECOUNTY **DUCHESNE**STATE **UTAH**11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

NOTICE OF INTENT:

(Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> ABANDON | <input type="checkbox"/> NEW CONSTRUCTION |
| <input type="checkbox"/> REPAIR CASING | <input type="checkbox"/> PULL OR ALTER CASING |
| <input type="checkbox"/> CHANGE OF PLANS | <input type="checkbox"/> RECOMPLETE |
| <input type="checkbox"/> CONVERT TO INJECTION | <input type="checkbox"/> REPERFORATE |
| <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE | <input type="checkbox"/> VENT OR FLARE |
| <input type="checkbox"/> MULTIPLE COMPLETION | <input type="checkbox"/> WATER SHUT OFF |
| <input type="checkbox"/> OTHER _____ | |

SUBSEQUENT REPORT OF:

(Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> ABANDON* | <input type="checkbox"/> NEW CONSTRUCTION |
| <input type="checkbox"/> REPAIR CASING | <input type="checkbox"/> PULL OR ALTER CASING |
| <input type="checkbox"/> CHANGE OF PLANS | <input type="checkbox"/> RECOMPLETE |
| <input type="checkbox"/> CONVERT TO INJECTION | <input type="checkbox"/> REPERFORATE |
| <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE | <input type="checkbox"/> VENT OR FLARE |
| <input checked="" type="checkbox"/> OTHER Step Rate Test | |

DATE WORK COMPLETED _____

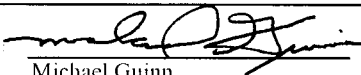
Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

A step rate test was conducted on the subject well on 12/22/03. Results from the test indicate that the fracture gradient is .694 psi/ft. Therefore, Inland is requesting that the maximum allowable injection pressure (MAIP) be changed to 1330 psi.

13.

NAME & SIGNATURE: **Michael Guinn**

TITLE

Vice President of Operations

DATE

12/31/2003

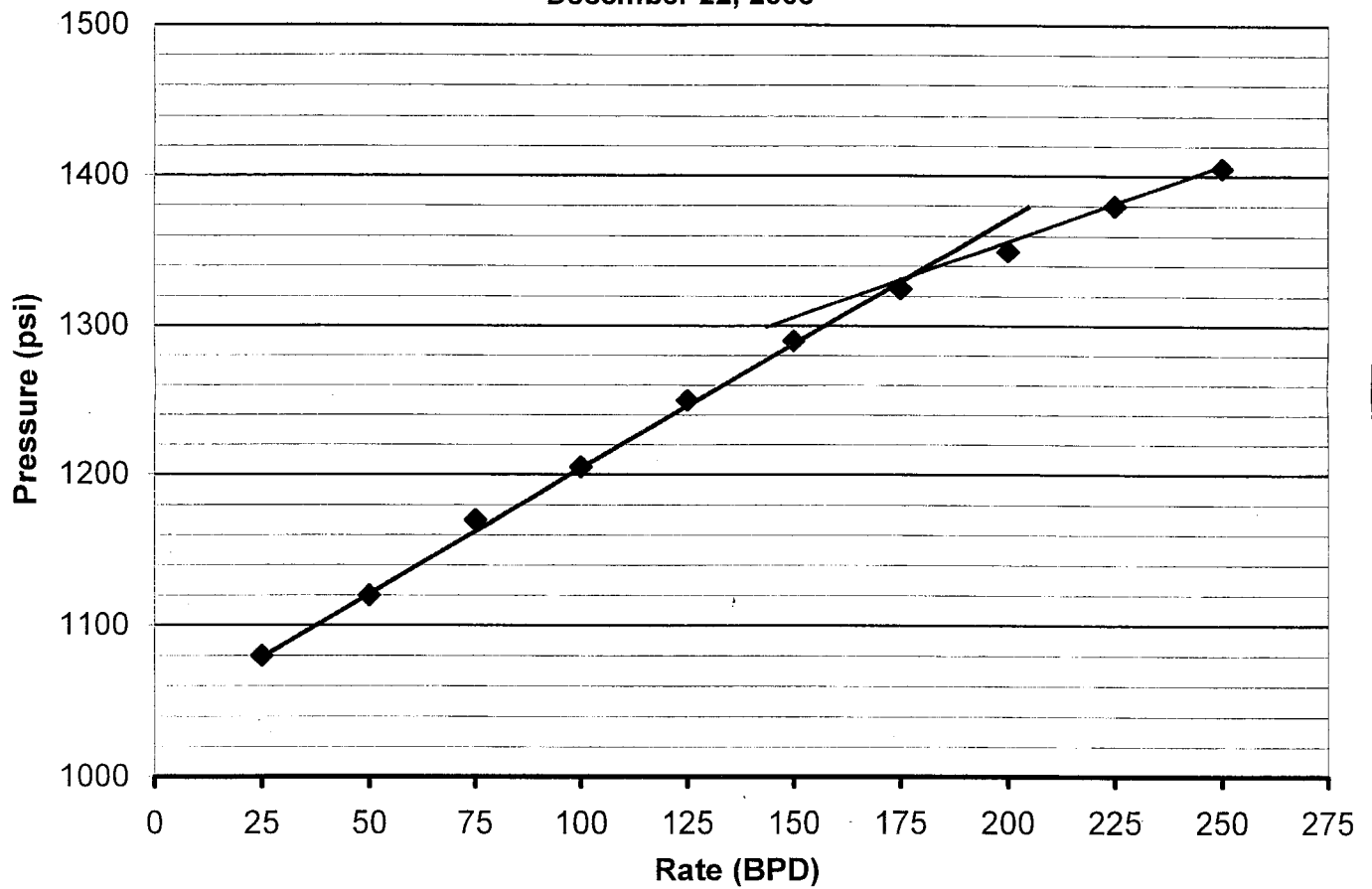
(This space for State use only)

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

**RECEIVED
JAN 05 2004**

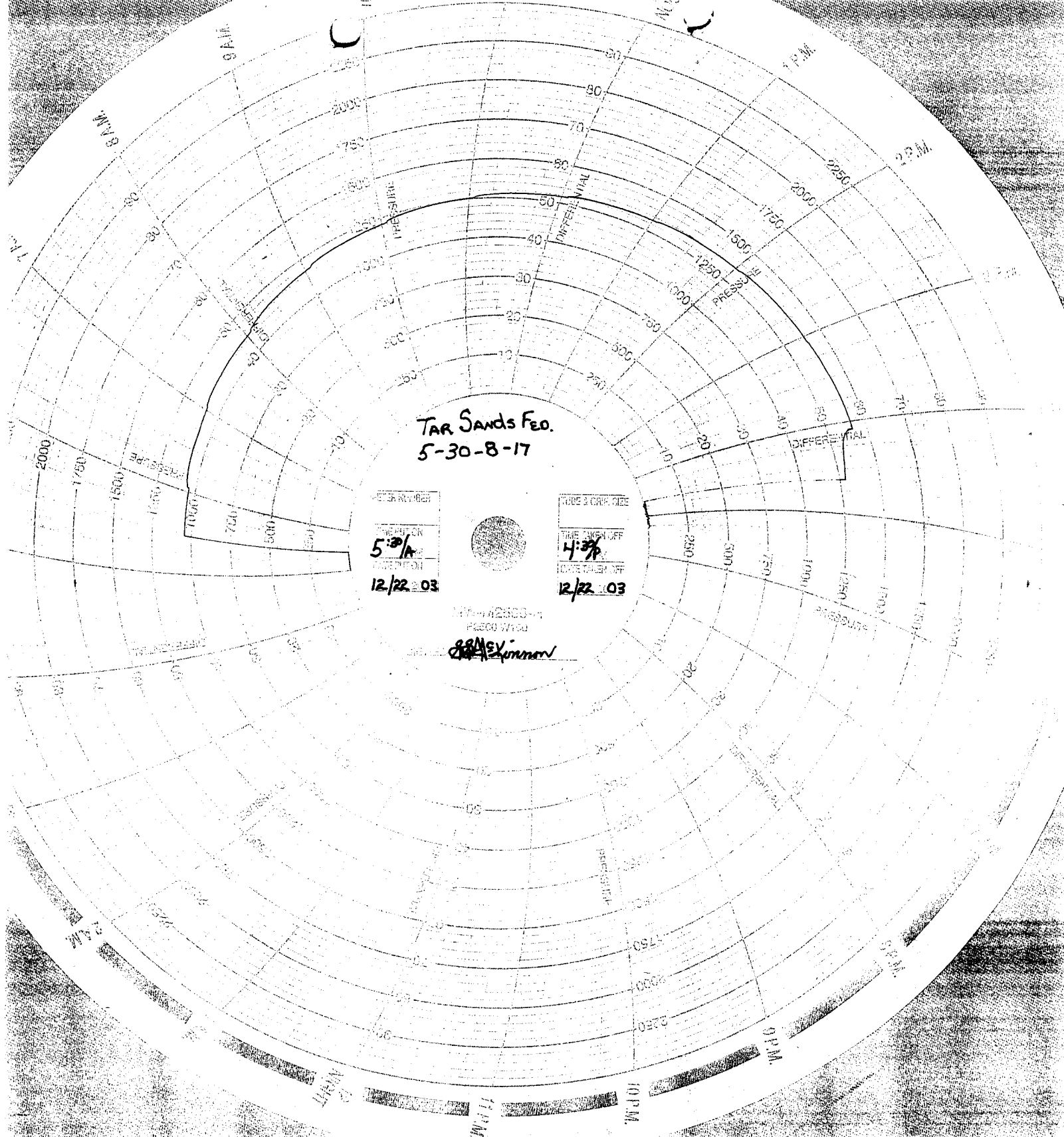
DIV. OF OIL, GAS & MINING

Tar Sands Federal 5-30-8-17
Sandwash Unit
Step Rate Test
December 22, 2003



Start Pressure: 1045 psi
Instantaneous Shut In Pressure (ISIP): 1380 psi
Top Perforation: 5131 feet
Fracture pressure (Pfp): 1330 psi
FG: 0.694 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	25	1080
2	50	1120
3	75	1170
4	100	1205
5	125	1250
6	150	1290
7	175	1325
8	200	1350
9	225	1380
10	250	1405



TAR SANDS FEO.
5-30-8-17

WELL NUMBER
5-30-8-17
DATE
12/22-03

TIME TAKEN OFF
4:30
DATE TAKEN OFF
12/22-03

1000-12500-1
PRESSURE

88MEX-1



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
<http://www.epa.gov/region08>

FEB 11 2004

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn
Vice President - Operations
Inland Production Company
Route 3 - Box 3630
Myton, UT 84052

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RE: UNDERGROUND INJECTION CONTROL (UIC)
**APPROVAL TO INCREASE MAXIMUM
SURFACE INJECTION PRESSURE**
EPA Permit No. UT20843-04408
Tar Sands Federal No. 5-30-8-17
SW NW Sec. 30 - T8S - R17E
Duchesne County, Utah

Dear Mr. Guinn:

The Environmental Protection Agency (EPA) Permit UT20843-04408 (Effective March 24, 1998), Part II, Section C.4.(b), permits the "Director" to authorize, by letter, an increase in the maximum surface injection pressure (MIP) for the Tar Sands Federal No. 5-30-8-17 following receipt and approval of a valid Step-Rate Test (SRT).

On December 31, 2003, Inland Production Company (Inland) submitted an SRT, dated December 22, 2003, which was received by the EPA on January 5, 2004. The EPA approves a fracture gradient of 0.694 psi/ft for the Garden Gulch/Douglas Creek/Basal Carbonate Members of the Green River Formation injection interval.

As of the date of this letter, the EPA authorizes an increase in the maximum surface injection pressure (MIP) from 1126 psig to 1330 psig.

RECEIVED
FEB 17 2004



DIV. OF OIL, GAS & MINING
Printed on Recycled Paper

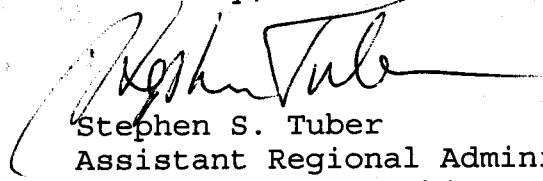
FG = 0.694 psi/ft
 D = 5131 feet: Top perforation
 SG = Specific gravity: 1.005

MIP = $[(0.694) - (0.433)(1.005)]$ 5131

MIP = 1328 psig, but increased to 1330 psig.

Please send all compliance correspondence relative to this well to the ATTENTION: NATHAN WISER, at the letterhead address, citing MAIL CODE: 8ENF-UFO very prominently. You may call Mr. Wiser at 303-312-6211, or 1-800-227-8917 (Ext. 6211).

Sincerely,



Stephen S. Tuber
 Assistant Regional Administrator
 Office of Partnerships and
 Regulatory Assistance

cc: Maxine Natchees
 Chairperson
 Uintah & Ouray Business Committee
 Ute Indian Tribe
 P.O. Box 190
 Fort Duchesne, Ut 84026

Elaine Willie
 Environmental Coordinator
 Ute Indian Tribe
 P.O. Box 460
 Fort Duchesne, UT 84026

Mr. Chester Mills
 Superintendent
 Bureau of Indian Affairs
 Uintah & Ouray Indian Agency
 P.O. Box 130
 Fort Duchesne, UT 84026

Mr. David Gerbig
 Operations Engineer
 Inland Production Company
 1401 Seventeenth Street - Suite 1000
 Denver, CO 80202

Mr. Gil Hunt
Technical Services Manager
State of Utah - Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple - Suite 1220
Salt Lake City, UT 84111-00581

Mr. Jerry Kenczka
Petroleum Engineer
Bureau of Land Management
Vernal District
170 South 500 East
Vernal, UT 84078

Mr. Nathan Wiser
8ENF-UFO



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:		State : UTAH

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone:
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*Title: *Perk. Services Manager*Approval Date: *9-20-04*

Comments:

*Note: Indian Country wells will require EPA approval.*RECEIVED
SEP 20 2004
DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****SAND WASH (GREEN RIVER)****WELL(S)**

NAME	SEC TWN RNG			API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
BOUNDARY FED 13-19-8-17	19	080S	170E	4301331625	12308	Federal	WI	A
TAR SANDS FED 12-30	30	080S	170E	4301331543	12308	Federal	OW	P
TAR SANDS FED 5-30	30	080S	170E	4301331620	12308	Federal	WI	A
TAR SANDS FED 4-30	30	080S	170E	4301331621	12308	Federal	OW	P
TAR SANDS FED 13-30	30	080S	170E	4301331637	12308	Federal	WI	A
TAR SANDS FED 16-30	30	080S	170E	4301331708	12308	Federal	OW	P
TAR SANDS FED 14-30	30	080S	170E	4301331711	12308	Federal	OW	P
TAR SANDS 6-30-8-17	30	080S	170E	4301331712	12308	Federal	OW	P
TAR SANDS FED 11-30	30	080S	170E	4301331732	12308	Federal	WI	A
TAR SANDS FED 3-30	30	080S	170E	4301331755	12308	Federal	WI	A
HARBOUR TOWN FED 31-30	30	080S	170E	4301331758	12308	Federal	OW	P
TAR SANDS FED 7-30	30	080S	170E	4301331807	12308	Federal	WI	A
TAR SANDS FED 10-30	30	080S	170E	4301331808	12308	Federal	OW	P
GOVERNMENT 31-2	31	080S	170E	4301320082	12308	Federal	OW	P
TAR SANDS FED 4-31	31	080S	170E	4301331606	12308	Federal	OW	P
TAR SANDS FED 5-31	31	080S	170E	4301331607	12308	Federal	WI	A
TAR SANDS FED 8-31	31	080S	170E	4301331615	12308	Federal	OW	P
TAR SANDS FED 9-31	31	080S	170E	4301331616	12308	Federal	OW	P
TAR SANDS FED 1-31	31	080S	170E	4301331654	12308	Federal	WI	A
TAR SANDS FED 7-31	31	080S	170E	4301331684	12308	Federal	WI	A
TAR SANDS FED 6-31	31	080S	170E	4301331686	12308	Federal	OW	P
TAR SANDS FED 3-31	31	080S	170E	4301331733	12308	Federal	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919

2. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU74869
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: SAND WASH UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1884 FNL 0631 FWL		8. WELL NAME and NUMBER: TAR SANDS FED 5-30
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4301331620
6. FIELD AND POOL, OR WILDCAT: Monument Butte		10. FIELD AND POOL, OR WILDCAT: Monument Butte
7. COUNTY: Duchesne		8. STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	SubDate
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 05/29/2006	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Step Rate Test	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on May 10, 2006. Results from the test indicate that the fracture gradient is .762 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1675 psi.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Cheyenne Batemen TITLE Well Analyst Foreman
SIGNATURE  DATE 05/29/2006

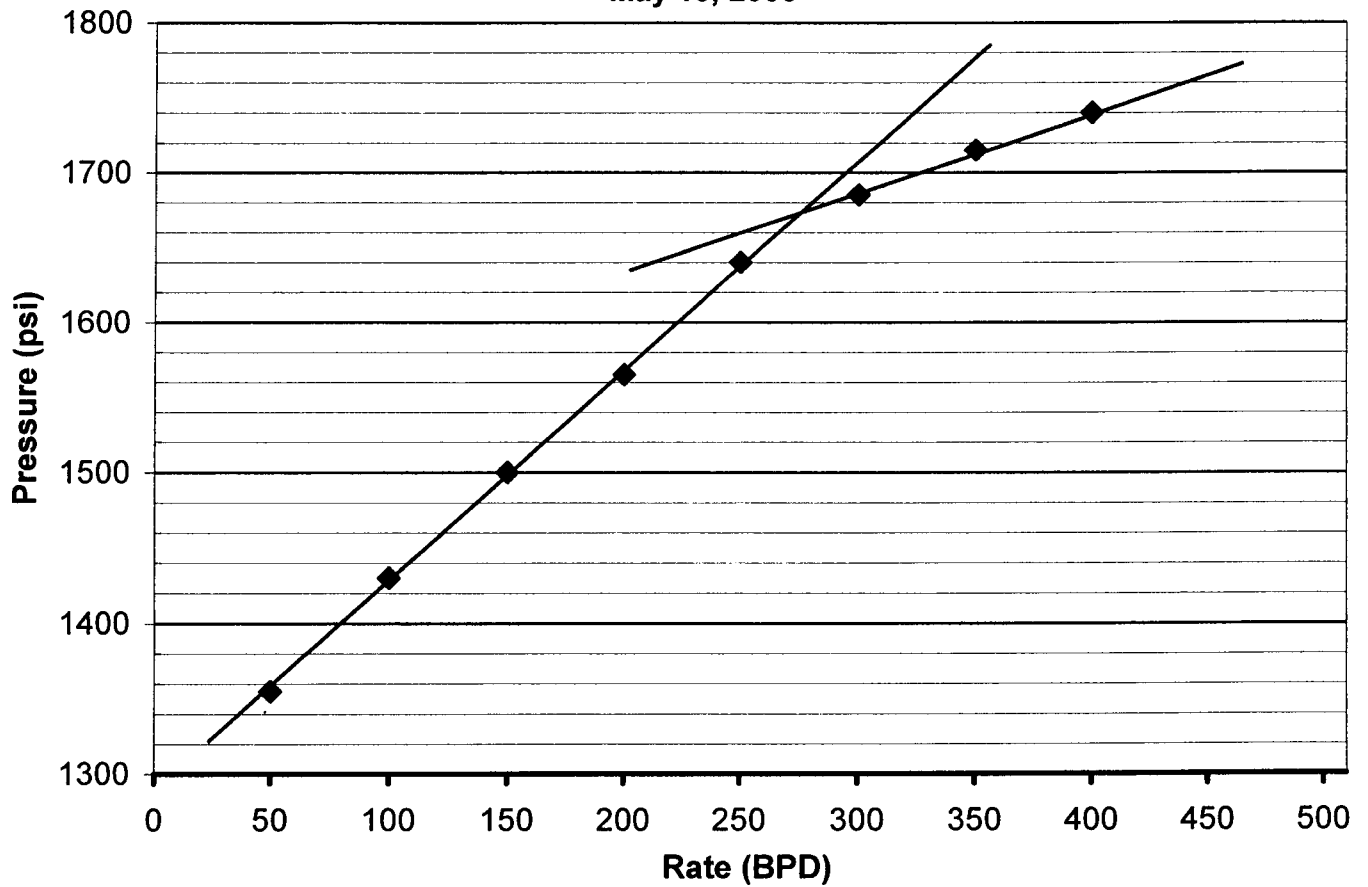
(This space for State use only)

RECEIVED

JUN 01 2006

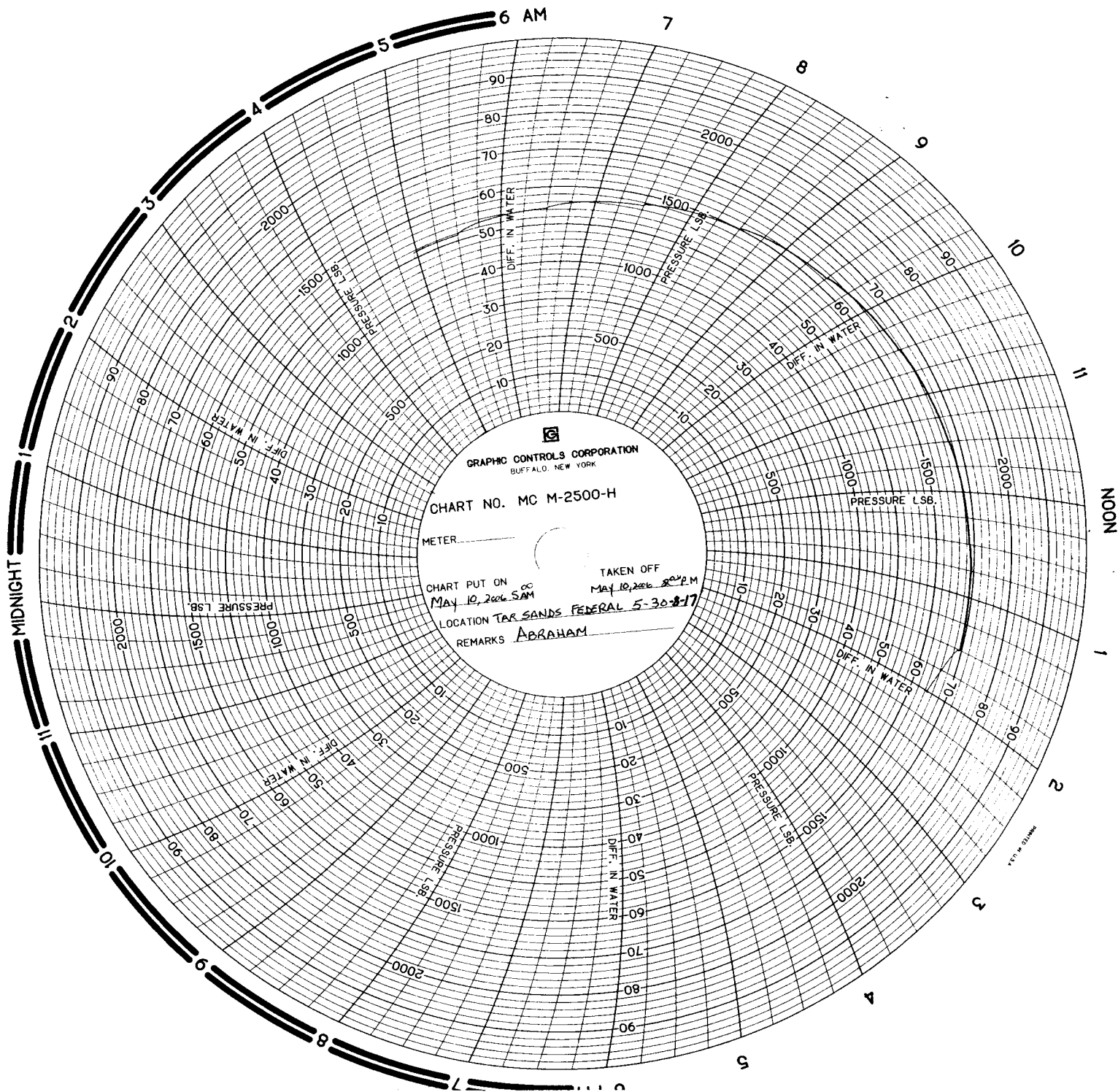
DIV. OF OIL, GAS & MINING

**Tar Sands Federal 5-30-8-17
Sandwash Unit
Step Rate Test
May 10, 2006**



Start Pressure: 1290 psi
Instantaneous Shut In Pressure (ISIP): 1730 psi
Top Perforation: 5131 feet
Fracture pressure (Pfp): 1675 psi
FG: 0.762 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	50	1355
2	100	1430
3	150	1500
4	200	1565
5	250	1640
6	300	1685
7	350	1715
8	400	1740



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:

USA UTU-74869

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

SAND WASH UNIT

8. WELL NAME and NUMBER:

TAR SANDS FED 5-30

9. API NUMBER:

4301331620

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1884 FNL 631 FWL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNW, 30, T8S, R17E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input checked="" type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input type="checkbox"/> OTHER: -
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 07/13/2007			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures (tubing leak) on 06/21/07, attached is a daily status report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Jertri Park

TITLE Production Clerk

SIGNATURE

DATE 07/13/2007

(This space for State use only)

RECEIVED

JUL 18 2007

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

TAR SANDS 5-30-8-17**5/1/2007 To 9/30/2007****6/21/2007 Day: 1****Tubing Leak**

Western #4 on 6/20/2007 - Bleed well down. MIRU Western #4. ND wellhead & release pkr @ 5040'. Had to work awhile & pull 25K over to get released. NU BOP. RU HO trk to tbg. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Held solid. Retrieve standing valve W/ sandline. TOH W/ tbg--LD pkr. Bottom element was split and wrapped around lower slips. MU re-dressed Weatherford 5 1/2" Arrowset 1-X pkr & new SN. TIH W/ same 161 jts 2 7/8 8rd 6.5# LS tbg. Apply Liquid O-ring to each pin & re-torque each connection. RU HO trk to tbg. Drop standing valve & pump to SN. Pressure test tbg to 3000 psi. Leaking off slowly. Re-pressure & leave on overnight.

6/22/2007 Day: 2**Tubing Leak**

Western #4 on 6/21/2007 - Tbg pressure @ 2200 psi this AM. RU HO trk to tbg & re-pressure to 3000 psi. Held solid for 30 minutes. Retrieve standing valve W/ sandline. ND BOP & land tbg on flange. Mix 15 gals Baker Hughes CRW 132 & 5 gals X-Cide 370 in 70 bbls fresh wtr. RU HO trk & pump dn annulus @ 90°F. PU on tbg & set pkr W/ SN @ 5036', CE @ 5040' & EOT @ 5044'. Land tbg W/ 16,000# tension. NU wellhead. Pressure test casing & pkr to 1400 psi. Held solid for 30 minutes. RDMOSU. Well ready for MIT.

7/12/2007 Day: 3**Tubing Leak**

Rigless on 7/11/2007 - On 6/13/07 Nathan Wiser with the EPA was contacted concerning the MIT on the above listed well (TSF 5-30-8-17). Permission was given at that time to perform the test on 7/11/07. On 7/11/07 the csg was pressured up to 1450 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 1050 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20843-04408 API# 43-013-31620

Pertinent Files: Go to File List

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 2 11 97
Test conducted by: Jeff Peterson
Others present: _____

Well Name: <u>Tar Sands 5-30-8-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Sand wash unit</u>		
Location: <u>SW/NW</u> Sec: <u>30</u> T <u>8</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W	County: <u>Duchesne</u>	State: <u>UT</u>
Operator: <u>New Field Production Co.</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: <u>1675</u>	PSIG

Is this a regularly scheduled test? ☐ Yes ☒ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☒ Yes ☐ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>1050</u> psig	psig	psig
End of test pressure	<u>1050</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>1450</u> psig	psig	psig
5 minutes	<u>1450</u> psig	psig	psig
10 minutes	<u>1450</u> psig	psig	psig
15 minutes	<u>1450</u> psig	psig	psig
20 minutes	<u>1450</u> psig	psig	psig
25 minutes	<u>1450</u> psig	psig	psig
30 minutes	<u>1400</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

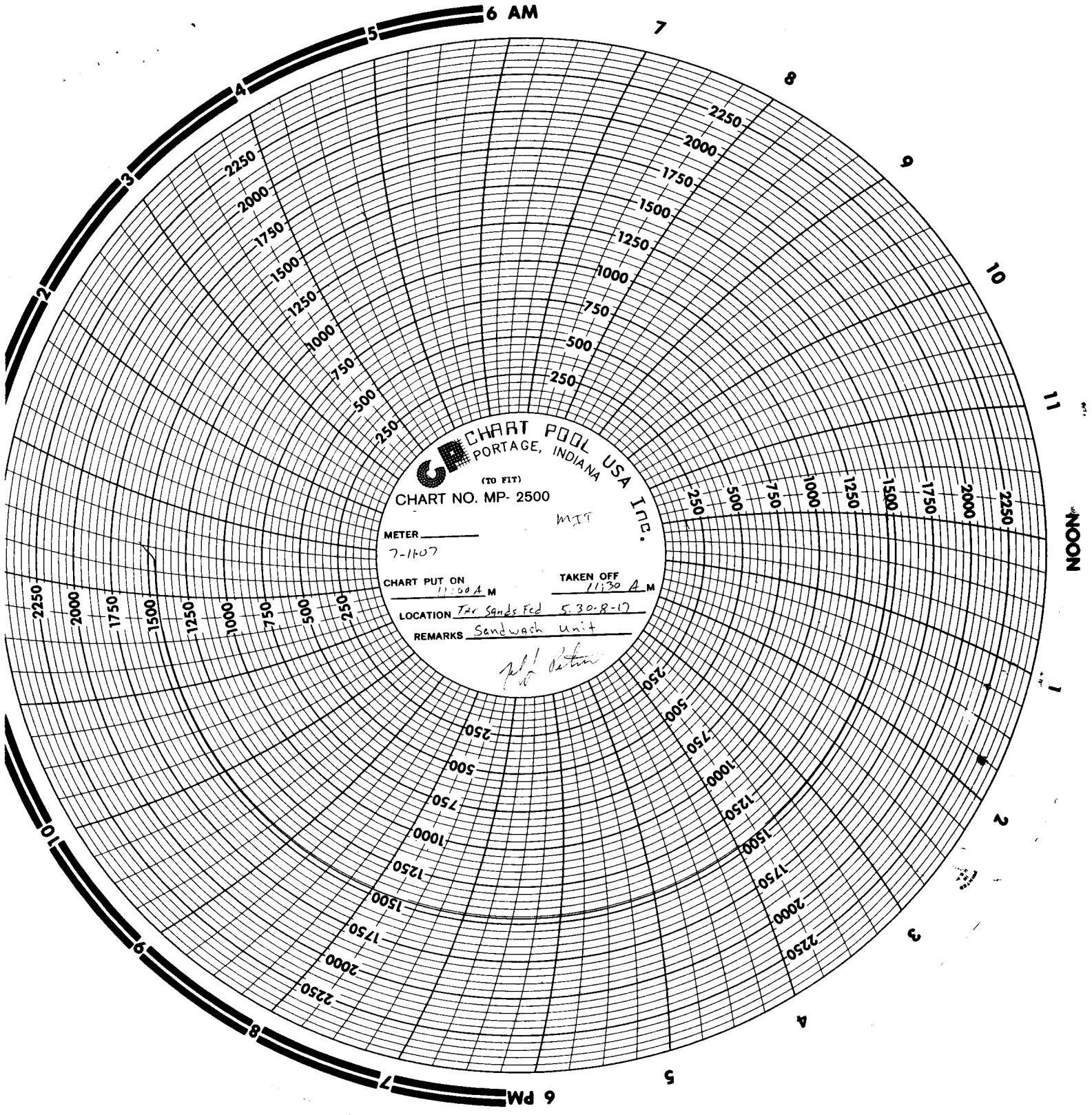


CHART POOL USA Inc.
(TO FIT)
PORTAGE, INDIANA
CHART NO. MP- 2500
MIT
METER _____
7-11-07
CHART PUT ON 11:00 A.M.
TAKEN OFF 11:30 A.M.
LOCATION Tar Sands Fed 5.30-8-17
REMARKS Sandwash unit
John Peterson

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74869
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: TAR SANDS FED 5-30
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1884 FNL 0631 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNW Section: 30 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013316200000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/22/2012	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 06/16/2012 Jason Deardorff with the EPA was contacted concerning the 5 year MIT on the above listed well. On 06/22/2012 the casing was pressured up to 1100 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1602 psig during the test. There was not an EPA representative available to witness the test. EPA# UT20843-04408		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 28, 2012		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 6/25/2012	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____

Date: 6 / 22 / 2012Test conducted by: DAVE CLOWARD

Others present: _____

UT20843-04408

Well Name: <u>5-30-8-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>TAR SANDS FEDERAL</u>		
Location: <u>SW/40</u> Sec: <u>30</u> T <u>8</u> N <u>(S)</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>Utah</u>		
Operator: <u>NEWFIELD PRODUCTION CO.</u>		
Last MIT: <u> </u> / <u> </u> / <u> </u>	Maximum Allowable Pressure: <u>1675</u> PSIG	

Is this a regularly scheduled test?

☒ Yes ☐ No

Initial test for permit?

☐ Yes ☐ No

Test after well rework?

☐ Yes ☐ No

Well injecting during test?

☒ Yes ☐ NoIf Yes, rate: 45 bpdPre-test casing/tubing annulus pressure: 0 psig

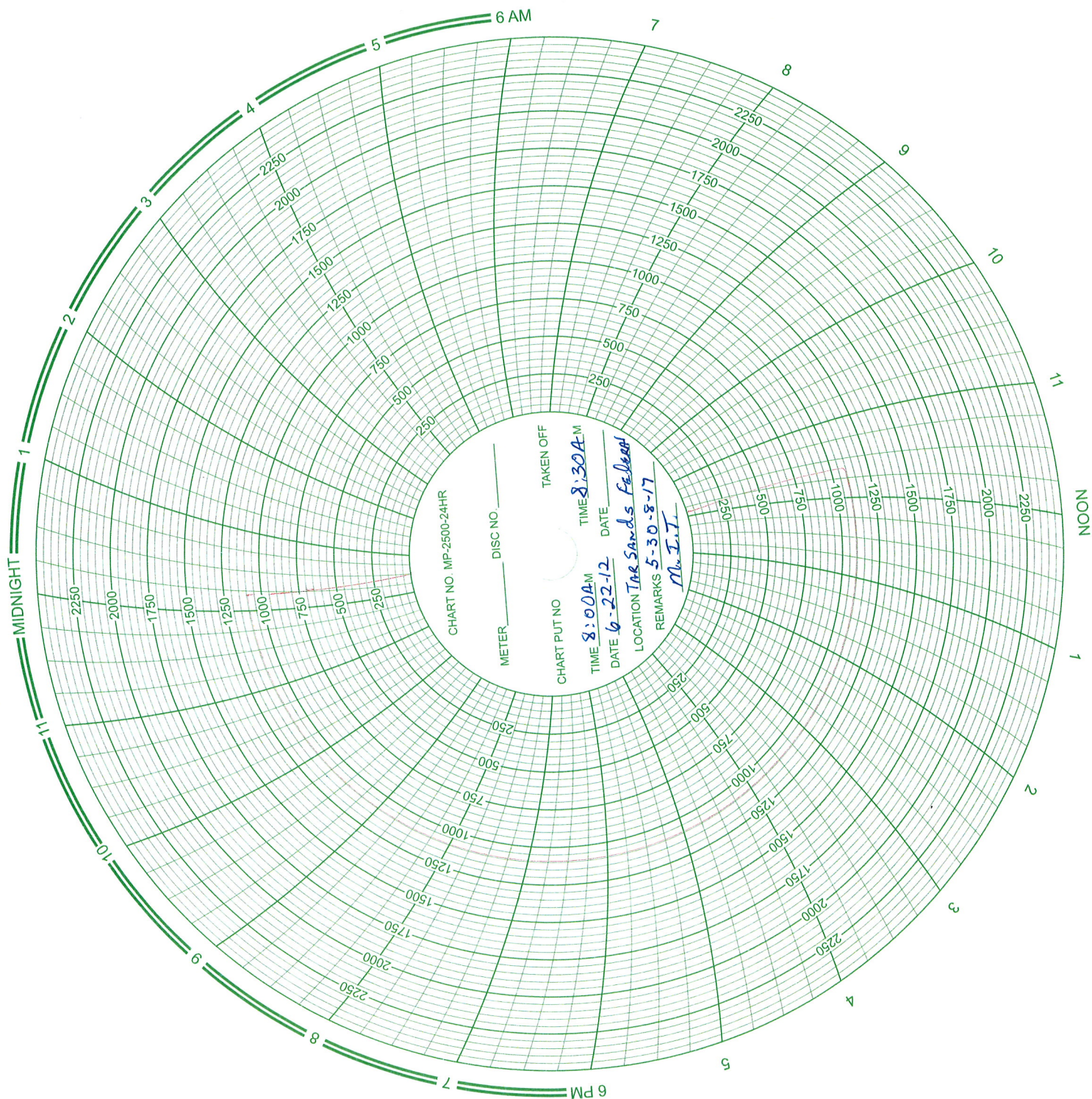
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>1600</u> psig	psig	psig
End of test pressure	<u>1602</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1100</u> psig	psig	psig
5 minutes	<u>1100</u> psig	psig	psig
10 minutes	<u>1100</u> psig	psig	psig
15 minutes	<u>1100</u> psig	psig	psig
20 minutes	<u>1100</u> psig	psig	psig
25 minutes	<u>1100</u> psig	psig	psig
30 minutes	<u>1100</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



Tar Sands Federal 5-30-8-17

Spud Date: 8/5/96
Put on Production: 9/19/96
GL: 5420' KB: 5433'

Initial Production: 69 BOPD,
102 MCFPD, 3 BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (294.78')
DEPTH LANDED: 292.18'(GL)
HOLE SIZE: 12-1/4"
CEMENT DATA: 120 sxs Premium cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts (6269.79')
DEPTH LANDED: 6261.79'
HOLE SIZE: 7-7/8"
CEMENT DATA: 370 sk Hyfill mixed & 360 sxs thixotropic
CEMENT TOP AT: Surface per CBL

TUBING

SIZE/GRADE/WT: 2-7/8" J-55 tbg 6.5#
NO. OF JOINTS: 161 jts (5022.8')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5035.77'
TOTAL STRING LENGTH: EOT @ 5044.32'

FRAC JOB

9/11/96 5429'-5439' Frac B-1 sand as follows:
71,700# of 20/40 sand in 442 bbls of
Boragel. Breakdown @ 2111 psi Treated
@ avg rate of 20.2 bpm w/avg press of
1500 psi. ISIP-2297 psi, 5-min 2000psi.
Flowback on 12/64" ck for 3 hrs and
died.

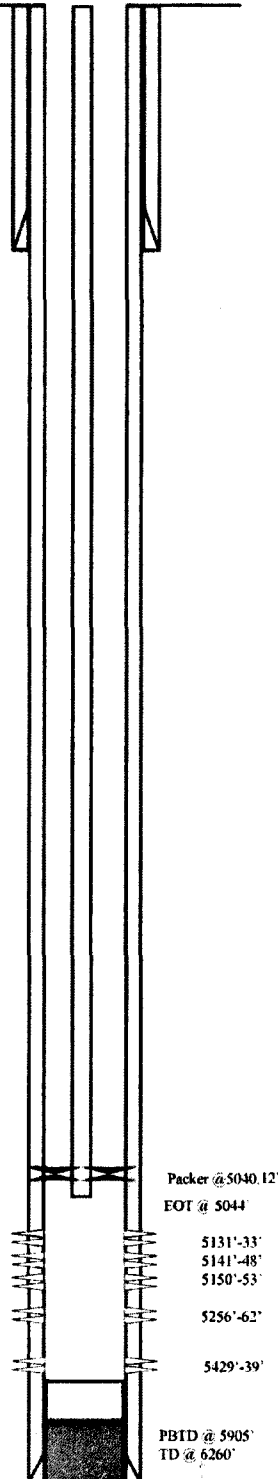
9/13/96 5256'-5262' Frac D-3 sand as follows:
54,300# of 20/40 sand in 405 bbls of
Boragel. Breakdown @ 1833 psi Treated
@ avg rate of 20.7 bpm w/avg press of
1900 psi. ISIP-2098 psi, 5-min 2001 psi.
Flowback on 12/64" ck. for 2 hrs and
died.

9/16/96 5131'-5153' Frac D-1 sand as follows:
63,400# of 20/40 sand in 377 bbls o
Boragel. Breakdown @ 790 psi. Treated
@ avg rate of 18.3 bpm w/ avg press of
1650 psi. ISIP-2399 psi, 5-min 2390 psi.
Flowback on 12/64" ck for 3 hrs and
died.

07/08/98 Convert to Injection Well
05/16/07 Workover
06/22/07 Tubing Leak. Injection tubing updated.
7/11/07 Tubing leak injection tubing update.

PERFORATION RECORD

9/10/96	5429'-5439'	4 JSPP	40 holes
9/12/96	5256'-5262'	4 JSPP	24 holes
9/14/96	5131'-5133'	4 JSPP	8 holes
9/14/96	5141'-5148'	4 JSPP	28 holes
9/14/96	5150'-5153'	4 JSPP	12 holes



NEWFIELD

Tar Sands Federal #5-30

631.4 FWL 1884.4 FNL
SWNW Section 30-T8S-R17E
Duchesne Co, Utah
API #43-013-31620; Lease #U-74869